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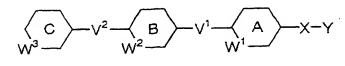
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(54) NOVEL TRICYCLIC COMPOUND

(57) The present invention provides a compound of the formula (I):



I

wherein A ring, B ring and C ring are each independently optionally substituted aromatic carbocycle or optionally substituted 5- or 6-membered heterocycle which may fuse with benzene ring,

W¹, W² and/or W³ represents a bond when A ring, B ring and/or C ring is optionally substituted 5-membered heterocycle

X is -O-, -NR1- wherein R1 is hydrogen, lower alkyl etc. or the like,

Y is hydrogen, lower alkyl, lower alkenyl or the like,

one of V^1 and V^2 is a bond, and the other is a bond, -O- or the like,

and a pharmaceutical composition comprising the same.

Description

Technical Field

[0001] The present invention relates to a novel tricyclic compound and a pharmaceutical composition for use as an immunosuppressant, an anti-allergic agent or a suppressant of the IgE production comprising the same.

Background Art

[0002] A serious problem of a transplantation of a tissue or an organ which is frequently performed in recent years is a rejection symptom for excluding a transplanted part after an operation. Prevention of the rejection symptom is very important for a success of the transplantation.

[0003] Various immunosuppressants such as azathioprine, corticoid, Cyclosporin A, Tacrolimus and the like are developed and come into practical use for prevention and a treatment of a rejection symptom against a transplantation of an organ or a tissue or a graft-versus-host reaction which is caused by a bone marrow transplantation. But they are not so satisfactory in view of their effects and side effects.

[0004] Allergic diseases such as atopic dermatitis, allergic rhinitis, bronchial asthma, allergic conjunctivitis and the like tend to globally increase in recent years and become serious problems. The conventional antiinflammatory agents are suppressants of releasing chemical mediators from mast cells, receptor inhibitors of the released chemical mediators, suppressants of allergic inflammation response or the like. All of these are agents for symptomatic therapy and are not fundamental therapeutic agents for allergic diseases.

[0005] Therefore, the development of a more effective and safer medicinal agent has been expected.

[0006] The compounds having a similar structure to a compound of the present invention and exhibiting an immunosuppressive or anti-allergic effect are described in WO94/27980, WO95/13067, WO96/40659, WO96/40143, WO96/38412, WO97/24356, WO97/24324, WO97/46524, JP-A 8-3163, JP-A 9-12457, JP-A 9-71564, JP-A 9-124571 and the like. The liquid crystal compounds are described in JP-A 9-87253, JP-A 63-253065, JP-A 1-106864, JP-A 1-106871, JP-A 2-83346, JP-A 9-48760, JP-A 9-31063 and the like, the compounds exhibiting an insecticide or acaricide activity are described in JP-A 8-193067 and the compounds having a therapeutic activity for circulatory system or psychopathy diseases are described in EP0600717 A1, all of which have a similar structure to a compound of the present invention.

Disclosure of Invention

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[0007] The present invention provides a compound of the formula (i):

C V^2 B V^1 A X-Y

Ι

wherein A ring, B ring and C ring are each independently optionally substituted aromatic carbocycle or optionally substituted 5- or 6-membered heterocycle which may fuse with benzene ring,

W¹, W² and/or W³ represents a bond when A ring, B ring and/or C ring is optionally substituted 5-membered heterocycle.

X is -O-, ${}^{-}CH_{2^-}$, ${}^{-}NR^1$ - wherein R^1 is hydrogen, optionally substituted lower alkyl, lower alkenyl, lower alkylcarbonyl or optionally substituted lower alkoxycarbonyl or -S(O)p- wherein p is an integer of 0 to 2,

Y is hydrogen, optionally substituted lower alkyl, optionally substituted lower alkenyl, optionally substituted lower alkynyl, optionally substituted acyl, optionally substituted cycloalkyl, optionally substituted cycloalkenyl, optionally substituted lower alkoxycarbonyl, optionally substituted sulfamoyl, optionally substituted arrived arri

Y may be optionally substituted lower alkoxy when X is -CH2-,

Y may be optionally substituted lower alkoxycarbonyl, optionally substituted lower alkylsulfonyl or optionally substituted arylsulfonyl when X is -O- or -NR¹-, one of V¹ and V² is a bond and the other is a bond, -O-, -NH-, -OCH₂-, -CH₂O-, -CH=CH-, -C=C-, -CH(OR²)- wherein

R² is hydrogen or lower alkyl, -CO- or -NHCHR³- wherein R³ is hydrogen or hydroxy, and

at least one of A ring, B ring and C ring is optionally substituted aromatic carbocycle and at least another one is optionally substituted 5- or 6-membered heterocycle which may fuse with benzene ring when both of V¹ and V² are single bonds, pharmaceutically acceptable salt or hydrate thereof.

[0008] The present invention provides a pharmaceutical composition for use as an immunosuppressant, an antiallergic agent or a suppressant of the IgE production comprising the compound (I), pharmaceutically acceptable salt or hydrate thereof.

[0009] In one of the other embodiments, the present invention provides a method for suppressing an immune response or a method for treating and/or preventing allergic diseases comprising administering the compound (I). In another embodiment the present invention provides use of the compound (I) for manufacturing a medicament for suppressing an immune response or treating and/or preventing allergic diseases.

[0010] In the present specification, the term "halogen" includes fluorine, chlorine, bromine and iodine. Fluorine or chlorine is preferable.

The term "lower alkyl" includes straight or branched chain alkyl having 1 to 10 carbon atoms preferably 1 to 8 carbon atoms, more preferably 1 to 6 carbon atoms, and most preferably 1 to 3 carbon atoms. For example, included are methyl, ethyl, n-propyl, isopropyl, n-butyl, isobutyl, sec-butyl, tert-buryl, n-pentyl, isopentyl, neopentyl, hexyl, isohexyl, n-heptyl, isoheptyl, n-octyl, isooctyl, n-nonyl, n-decyl and the like.

[0012] As substituents of "optionally substituted lower alkyl", exemplified are halogen; hydroxy; lower alkoxy optionally substituted with lower alkoxy; acyl; acyloxy; carboxy; lower alkoxycarbonyl; mercapt; lower alkylthio; amino optionally substituted with hydroxy, lower alkyl or optionally substituted acyl; imino optionally substituted with hydroxy, lower alkoxy, carboxy(lower)alkoxy, aryl(lower)alkoxy or 5- or 6-membered heterocycle; hydrazono optionally substituted with carbamoyl or lower alkoxycarbonyl; carbamoyl optionally substituted with lower alkyl or amino; thiocarbamoyl optionally substituted with lower alkyl or lower alkoxy; cycloalkenyl optionally substituted with lower alkyl; cyano; phenyl optionally substituted with at least one substituent selected from the group of hydroxy, lower alkyl, carboxy, lower alkoxycarbonyl and lower alkoxy; 5- or 6-membered heterocycle which may be substituted with lower alkyl and may fuse with benzene ring; and the like. The lower alkyl may be substituted with lower alkyl or lower alkoxy; phenyl optionally substituted with lower alkyl or lower alkoxy; pyridyl or the like is preferable.

[0013] The part of lower alkyl in "lower alkoxy" is the same as the above "lower alkyl".

[0014] As substituents for "optionally substituted lower alkoxy", exemplified are halogen; hydroxy; lower alkoxy optionally substituted with hydroxy or carboxy; carboxy; lower alkoxy-carbonyl; lower alkylthio; amino optionally substituted with lower alkyl; phenyl optionally substituted with lower alkyl or lower alkoxy; heterocycle; heterocyclylcarbonyloxy and the like.

[0015] The parts of lower alkyl in "lower alkoxycarbonyl", "lower alkylsulfonyl", "lower alkylsulfonyloxy", "lower alkylthio", "lower alkylamino" and "lower alkylenedioxy" are the same as the above "lower alkyl". Substituents for "optionally substituted lower alkylsulfonyl" and "optionally substituted lower alkylsulfonyl" and "optionally substituted lower alkylthio" are the same as those for the above "optionally substituted lower alkoxy".

[0016] The term "lower alkenyl" includes straight or branched chain alkenyl of 2 to 10 carbon atoms, preferably 2 to 8 carbon atoms, more preferably 3 to 6 carbon atoms having at least one double bond at any possible positions. For example, included are vinyl, propenyl such as 2-propenyl and the like, isopropenyl, butenyl, isobutenyl, prenyl, butadienyl, pentenyl, isopentenyl, pentadienyl, hexenyl, isohexenyl, hexadienyl, heptenyl, octenyl, nonenyl, decenyl and the like. Substituents for "optionally substituted lower alkenyl" are the same as those for the above "optionally substituted lower alkenyl" and alkenyl substituted with halogen or unsubstituted alkenyl is preferable.

[0017] The parts of lower alkenyl in "lower alkenyloxy", "lower alkenyloxycarbonyl" and "lower alkenylamino" are the same as the above "lower alkenyl". Substituents for "optionally substituted lower alkenyloxycarbonyl" and "optionally substituted lower alkenyloxycarbonyl" and "optionally substituted lower alkenylthio" are the same as those for the above "optionally substituted lower alkoxy".

[0018] The term "lower alkynyl" includes straight or branched chain alkynyl having 2 to 10 carbon atoms, preferably 2 to 8 carbon atoms, and more preferably 3 to 6 carbon atoms and is exemplified by ethynyl, propynyl such as 2-propynyl, butynyl such as 2-butynyl, pentynyl, hexynyl, hexynyl, nonynyl, decynyl and the like. These have at least one triple bond and may have some double bonds at any possible positions. Substituents for "optionally substituted lower alkynyl" are the same as those for the above "optionally substituted lower alkoxy".

[0019] The term "acyl" includes straight or branched chain aliphatic acyl having 1 to 20 carbon atoms, preferably 1 to 15 carbon atoms, more preferably 1 to 8 carbon atoms, more preferably 1 to 6 carbon atoms, most preferably 1 to 4 carbon atoms, cyclic aliphatic acyl having 4 to 9 carbon atoms, preferably 4 to 7 carbon atoms and aroyl. For example, formyl, acetyl, propionyl, butyryl, isobutyryl, valeryl, pivaloyl, hexanoyl, acryloyl, propioloyl, methacryloyl, crotonoyl, cyclopropylcarbonyl, cyclohexylcarbonyl, cyclooctylcarbonyl, benzoyl and the like are included. Substituents for "optionally substituted acyl" are the same as those for the above "optionally substituted lower alkoxy" and aroyl may further be substituted with lower alkyl. Among the substituents, halogen is preferable.

[0020] The part of acyl in "acyloxy" is the same as the above "acyl" and substituents for "optionally substituted acyloxy" are the same as those for the above "optionally substituted acyl".

[0021] The term "lower alkylcarbonyl" includes aliphatic acyl having 2 to 4 carbon atoms and included are acetyl, propyl, buryryl, isobutyryl and the like. Acetyl is preferable.

[0022] The term "cycloalkyl" includes carbocycle having 3 to 6 carbon atoms and cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl and the like. As substituents for "optionally substituted cycloalkyl" exemplified are lower alkyl, halogen, hydroxy, carboxy, lower alkoxycarbonyl, lower alkoxy, lower alkylenedioxy, imino optionally substituted with lower alkoxy, aryl, 5- or 6-membered heterocycle and the like and the cycloalkyl may be substituted at any possible positions.

[0023] The term "cycloalkenyi" includes the group having at least one double bond at any possible positions in the above cycloalkyl and is exemplified by cyclopropenyl, cyclobutenyl, cyclopentenyl, cyclohexenyl, cyclohexadienyl and the like. Substituents for "optionally substituted cycloalkenyl" are the same as those for the above "cycloalkyl".

[0024] As substituents for "optionally substituted amino", exemplified are optionally substituted lower alkyl (wherein the substituents are lower alkoxy, cycloalkyl, optionally substituted amino (wherein the substituents are aroyl optionally substituted with acyloxy(lower)alkoxy), optionally substituted aryl (wherein the substituents are lower alkyl, lower alkoxy, carboxy or lower alkoxycarbonyl) or heterocycle}; lower alkenyl; lower alkynyl; cycloalkyl; aryl optionally substituted with lower alkyl, carboxy, acyl, lower alkoxycarbonyl; sulfamoyl optionally substituted with lower alkyl; optionally substituted lower alkoxycarbonyl (the substituents are halogen, acyloxy, acyloxy substituted with hydroxy, acyloxy substituted with carboxy or heterocyclylcarbonyloxy or the like): lower alkylsulfonyl and the like.

[0025] The term "optionally substituted carbamoyl" includes carbamoyl optionally substituted with lower alkyl, lower alkenyl, lower alkynyl or the like.

[0026] The term "optionally substituted sulfamoyl" includes sulfamoyl optionally substituted with lower alkyl, lower alkenyl, lower alkynyl or the like.

[0027] The term "aromatic carbocycle" includes benzene ring, naphthalene ring, anthracene ring, phenanthrene ring, indene ring and the like and benzene ring is preferable.

The term "aryl" includes phenyl, naphthyl, anthryl, phenanthryl, indenyl and the like and phenyl is preferable. [0029] As substituents for "optionally substituted aromatic carbocycle" and "optionally substituted aryl", exemplified are halogen: hydroxy; lower alkyl optionally substituted with halogen or carboxy; lower alkoxy optionally substituted with halogen, aryl, heteroaryl or lower alkoxy; lower alkenyl; lower alkynyl; cycloalkyl; lower alkenyloxy; cycloalkoxy; acyl; acyloxy; carboxy; lower alkoxycarbonyl: lower alkenyloxycarbonyl; lower alkylthio; lower alkynylthio; amino optionally substituted with lower alkyl, cycloalkyl(lower)alkyl, heteroaryl(lower)alkyl, lower alkenyl, cycloalkyl, acyl optionally substituted with halogen, lower alkoxycarbonyl, or lower alkylsulfonyl; guanidino; nitro; lower alkylsulfonyl; dihydroxyborane; lower alkylsulfonyloxy optionally substituted with halogen; arylsulfonyl; arylsulfonyloxy; aryl; 5- or 6-membered heterocycle and the like. The aromatic carbocycle and aryl may be substituted with these substituents at one or more of any possible positions. Preferable examples are halogen; hydroxy; lower alkyl optionally substituted with halogen; lower alkoxy optionally substituted with aryl or lower alkoxy; lower alkenyloxy; acyloxy; lower alkylthio; amino optionally substituted with lower alkyl, lower alkenyl, acyl optionally substituted with halogen, or lower alkylsulfonyl; nitro; lower alkylsulfonyl; lower alkylsulfonyloxy optionally substituted with halogen: or arylsulfonyloxy.

[0030] The parts of aryl in "arylsulfonyl" and "arylsulfonyloxy" are the same as the above "aryl" and phenyl is preferable. Substitutents for "optionally substituted arylsulfonyl" are the same as those for the above "optionally substituted aryl" and unsubstituted arylsulfonyl is preferable.

[0031] The term "5- or 6-membered heterocycle" includes 5- or 6-membered heterocycle which contains at least one of hetero atoms arbitrarily selected from a group of O, S and N. Examples of heterocycle include aromatic heterocycle such as pyrrole ring, imidazole ring, pyrazole ring, pyridine ring such as 4-pyridyl, pyridazine ring, pyrimidine ring, pyrazine ring, triazole ring, triazine ring, isoxazole ring, oxazole ring, oxadiazole ring, isothiazole ring, thiazole ring, thiazole ring, furan ring such as 2-furyl or 3-furyl, thiophene ring such as 3-thienyl and the like, aliphatic heterocycle such as tetrahydropyrane ring, dihydropyridine ring such as 1,2-dihydropyridyl, dihydropyridazine such as 2,3-dihydropyridazinyl, dihydropyrazine ring, such as 1,2-dihydropyrazinyl, dioxane ring, oxathiorane ring, thiane ring, pyrrolidine ring, pyrroline ring, imidazolidine ring, pyrazolidine ring, pyrazoline ring, piperidine ring, piperazine ring, morpholine ring and the like.

[0032] The term "5- or 6-membered heterocycle which contains one or two hetero atoms" includes aromatic heterocycle such as pyrrole ring, imidazole ring, pyrazole ring, pyridine ring, pyridazine ring, pyrimidine ring, pyrazine ring, isoxazole ring, oxazole ring, isothiazole ring, thiazole ring, furan ring, thiophene ring or the like and aliphatic heterocycle such as dioxane ring, oxathiorane ring, thiane ring, dihydropyridine ring, pyrrolidine ring, pyrroline ring, imidazolidine ring, imidazolidine ring, pyrazolidine rin

[0033] As "5- or 6-membered ring which may fuse with benzene ring", exemplified are indole ring, isoindole ring, benzimidazole ring, indazole ring, cinnoline ring, phthalazine ring, quinazoline ring, benzisoxazole ring, benzoxazole

ring, benzoxadiazole ring, benzothiazole ring, benzisothiazole ring, benzofuran ring, benzothiophen ring, benzotriazole ring, isobenzofuran ring, chromen ring, indoline ring, isoindoline ring and the like.

[0034] As substituents for "optionally substituted 5- or 6-membered heterocycle" and "optionally substituted 5- or 6-membered heterocycle which may fuse with benzene ring" exemplified are halogen; hydroxy; lower alkyl optionally substituted with hydroxy or acyloxy; lower alkoxy optionally substituted with halogen, aryl or 5- or 6-membered heterocycle; lower alkenyl; lower alkenyloxy; lower alkynyl; lower alkynyloxy; acyloxy; carboxy; lower alkoxycarbonyl; mercapt; lower alkylthio; lower alkenylthio: amino which may be mono- or di-substituted with halogen, optionally substituted lower alkyl wherein the substituents are cycloalkyl or 5- or 6-membered heterocycle, acyl optionally substituted with halogen, lower alkenyl, cycloalkyl, or lower alkylsulfonyl; imino optionally substituted with lower alkylsulfonyl; nitro; lower alkylsulfonyl; aryl; 5- or 6-membered heterocycle; oxo; oxide and the like. These substituents may substitute at one or more of any possible positions.

[0035] The substituents for "optionally substituted 5- or 6-membered heterocycle which contains one or two of hetero atoms" are the same as the above. 5- or 6-membered heterocycle substituted with lower alkyl or unsubstituted one is preferable.

[0036] The term "W¹, W² and/or W³ represents a bond when A ring, B ring and/or C ring is optionally substituted 5-membered hererocycle" means as follows:

 W^1 represents a bond when A ring is optionally substituted 5-membered heterocycle, resulting in the binding positions of V^1 and X to A ring as shown below.

$$-V^1$$
 A $X-$

Each of W² and W³ represents a bond when B ring or C ring is 5-membered heterocycle, resulting in the binding positions of V¹ and V² shown below.

$$-V^2$$
 B V^1 and C V^2

5 Each of X, V1 and V2 may directly bind to a hetero atom constituting A ring, B ring or C ring.

[0037] The term "compound (I)" includes formable and pharmaceutically acceptable salts of each compound. As "the pharmaceutically acceptable salt", exemplified are salts with mineral acids such as hydrochloric acid, sulfuric acid, nitric acid, phosphoric acid, hydrofluoric acid, hydrobromic acid and the like; salts with organic acids such as formic acid, acetic acid, tartaric acid, lactic acid, citric acid, fumaric acid, maleic acid, succinic acid and the like; salts with organic base such as ammonium, trimethylammonium, triethylammonium and the like; salts with alkaline metals such as sodium, potassium and the like and salts with alkaline earth metals such as calcium, magnesium and the like.

[0038] The compound of the present invention includes hydrates and all of stereoisomers, for example, atropisomers etc. thereof.

45 Best Mode for Carrying Out the Invention

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[0039] All of the compounds (I) have an immunosuppressive effect, an anti-allergic effect and/or a suppressive effect on the IgE production and the following compounds are specifically preferable.

[0040] In the formula (I),

1) a compound wherein A ring is optionally substituted benzene ring,

preferably A ring is optionally substituted benzene ring {wherein the substituents are halogen, hydroxy, lower alkyl, lower alkoxy, acyloxy, lower alkylsulfonyl, optionally substituted lower alkylsulfonyloxy (wherein the substituents are halogen) or arylsulfonyloxy},

more preferably A ring is optionally substituted benzene ring (wherein the substituents are halogen, hydroxy, lower alkyl, lower alkoxy or lower alkylsulfonyloxy),

2) a compound wherein B ring is optionally substituted benzene ring, optionally substituted pyridine ring, optionally substituted pyrimidine ring, optionally substituted pyrimidine ring, optionally substituted pyrazine ring, optionally

substituted thiophene ring, optionally substituted furan ring, optionally substituted pyrazole ring or optionally substituted oxazole ring.

preferably B ring is optionally substituted benzene ring (wherein the substituents are halogen, hydroxy, lower alkyl, lower alkoxy, lower alkenyloxy, lower alkylthio, cycloalkoxy, lower alkoxycarbonyl or lower alkylsulfonyloxy),

- optionally substituted pyridine ring (wherein the substituents are halogen, hydroxy, lower alkyl, lower alkoxy, lower alkylthio, lower alkenyl, amino, carboxy or lower alkoxycarbonyl),
- optionally substituted pyrimidine ring {wherein the substituents are halogen, optionally substituted lower alkyl (wherein the substituents are hydroxy or acyloxy), lower alkoxy, lower alkylthio, optionally substituted amino (wherein the substituents are lower alkyl), carboxy or lower alkoxycarbonyl},
- optionally substituted pyridazine ring (wherein the substituents are halogen, hydroxy, lower alkyl, lower alkoxy, lower alkylthio, lower alkenyl, amino, carboxy, lower alkoxycarbonyl or oxide),

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- optionally substituted thiophene ring (wherein the substituents are lower alkyl), optionally substituted pyrazole ring (wherein the substituents are optionally substituted lower alkyl (wherein the substituents are hydroxy), lower alkoxy, carboxy or lower alkoxycarbonyl),
- or optionally substituted oxazole ring (wherein the substituents are lower alkyl), more preferably B ring is optionally substituted benzene ring (wherein the substituents are hydroxy, lower alkyl, lower alkoxy or lower alkylsulfonyloxy), optionally substituted pyridine ring (wherein the substituents are halogen or lower alkyl),
 - optionally substituted pyrimidine ring {wherein the substituents are optionally substituted lower alkyl (wherein the substituents are hydroxy or acyloxy), lower alkoxy, lower alkylthio, optionally substituted amino (wherein the substituents are lower alkyl), carboxy or lower alkoxycarbonyl),
 - optionally substituted pyrazole ring {wherein the substituents are optionally substituted lower alkyl (wherein the substituents are hydroxy), lower alkoxy, carboxy or lower alkoxycarbonyl},
 - 3) a compound wherein C ring is optionally substituted benzene ring, optionally substituted pyridine ring, optionally substituted pyridine ring, optionally substituted pyridine ring, optionally substituted pyrazine ring, optionally substituted benzothiazole ring, optionally substituted morpholine ring, optionally substituted piperazine ring, optionally substituted imidazole ring, optionally substituted triazole ring, optionally substituted dihydropyridine ring, optionally substituted dihydropyridiazine ring or optionally substituted dihydropyrazine ring, preferably C ring is optionally substituted benzene ring (wherein the substituents are halogen, hydroxy, optionally substituted lower alkyl (wherein the substituents are halogen), optionally substituted lower alkoxy (wherein the substituents are lower alkyl, lower alkenyloxy, lower alkylthio, optionally substituted amino (wherein the substituents are lower alkyl, lower alkenyl, optionally substituted acyl (wherein the substituted pyridine ring, optionally substituted pyrazole ring (wherein the substituents are halogen, hydroxy, optionally substituted lower alkyl (wherein the substituents are hydroxy or acyloxy), optionally substituted lower alkoxy (wherein the substituents are halogen, aryl or 5- or 6-membered heterocycle), lower alkenyl, lower alkenyl, lower alkynyloxy, acyloxy, carboxy, lower alkoxy-carbonyl, mercapt, lower alkylthio, lower alkenylthio, optionally mono- or di-substituted amino (wherein the
 - carbonyl, mercapt, lower alkylthio, lower alkenylthio, optionally mono- or di-substituted amino {wherein the substituents are halogen, optionally substituted lower alkyl (wherein the substituents are cycloalkyl or 5- or 6-membered heterocycle), optionally substituted acyl (wherein the substituents are halogen), lower alkenyl, cycloalkyl or lower alkylsulfonyl}, optionally substituted imino (wherein the substituents are lower alkylsulfonyl), nitro, lower alkylsulfonyl, aryl, 5- or 6-membered heterocycle, oxo or oxide}, benzothiazole ring,
 - optionally substituted dihydropyridine (wherein the substituents are oxo), optionally substituted dihydropyridazine ring (wherein the substituents are oxo), optionally substituted dihydropyrazine ring (wherein the substituents are oxo), more preferably C ring is optionally substituted benzene ring (wherein the substituents are halogen, hydroxy, optionally substituted lower alkyl (wherein the substituents are halogen), optionally substituted lower alkoxy (wherein the substituents are aryl), lower alkenyloxy, lower alkylthio, optionally mono- or di-substituted amino (wherein the substituents are lower alkyl, lower alkenyl, optionally substituted acyl (wherein the substituents are halogen) or lower alkylsulfonyl], intro. lower alkylsulfonyl or lower alkylsulfonyloxy},
 - optionally substituted pyridine ring {wherein the substituents are halogen, hydroxy, lower alkyl, lower alkynyl, lower alkynyl, optionally substituted lower alkoxy (wherein the substituents are halogen, aryl or 5- or 6-membered heterocycle), lower alkenyloxy, lower alkynyloxy, lower alkylthio, lower alkenylthio, optionally substituted amino (wherein the substituents are lower alkyl, heterocyclyl(lower)alkyl, cycloalkylalkyl, lower alkenyl or cycloalkyl), lower alkylsulfonyl, 5- or 6-membered heterocycle, nitro or oxo},
 - optionally substituted pyrimidine ring {wherein the substituents are halogen, hydroxy, optionally substituted lower alkoxy (wherein the substituents are aryl), lower alkenyloxy, or optionally substituted amino (wherein the substituents are lower alkeyl or lower alkenyl)},

optionally substituted pyridazine ring {wherein the substituents are halogen, optionally substituted lower alkoxy (wherein the substituents are aryl), lower alkenyloxy, or optionally substituted amino (wherein the substituents are lower alkyl, lower alkoxy or lower alkenyl)},

optionally substituted pyrazine ring {wherein the substituents are halogen, optionally substituted lower alkoxy (wherein the substituents are aryl), lower alkenyloxy or optionally substituted amino (wherein the substituents are lower alkenyl)},

- 4) a compound wherein X is -O- or -NR¹- (wherein R¹ is hydrogen, methyl or prenyl), preferably X is -O-, -NH- or -NMe-
- more preferably X is -O- or -NH-,

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- 5) a compound wherein Y is hydrogen, optionally substituted lower alkyl, optionally substituted lower alkenyl, lower alkylsulfonyl or optionally substituted acyl, preferably Y is optionally substituted lower alkyl, optionally substituted lower alkenyl, lower alkylsulfonyl or optionally substituted acyl,
 - more preferably Y is optionally substituted lower alkyl {wherein the substituents are 5- or 6-membered heterocycle, or optionally substituted phenyl (wherein the substituents are lower alkyl or lower alkoxy)} or optionally substituted lower alkenyl (wherein the substituents are halogen),
 - most preferably Y is methyl, optionally substituted prenyl (wherein the substituents are halogen) or optionally substituted benzyl (wherein the substituents are lower alkyl or lower alkoxy).
 - 6) a compound wherein X is -O- or -NH- and Y is optionally substituted prenyl (wherein the substituents are halogen), or optionally substituted benzyl(wherein the substituents are lower alkyl or lower alkoxy), or X is -NR¹- and Y is methyl, preferably -X-Y is -OCH₂CH=CMe₂, -OBn, -OCH₂C₆H₄-2-Me, -OCH₂C₆H₄-3-Me, -OCH₂C₆H₄-4-OMe, -NMe₂ or -NHCH₂CH=CMe₂,
 - more preferably -X-Y is -OCH₉CH=CMe₂, -OBn or -NMe₂,
 - 7) a compound wherein one of V^1 and V^2 is a single bond and the other is a single bond, -O- or -NH-, preferably V^1 is a single bond and V^2 is a single bond, -O- or -NH-,
- more preferably both of V^1 and V^2 are single bonds,
 - 8) a compound wherein A ring is optionally substituted benzene ring,
 - B ring is optionally substituted benzene ring, optionally substituted pyridine ring, optionally substituted pyridine. ring, optionally substituted pyridazine ring, optionally substituted pyrazine ring, optionally substituted thiophene ring, optionally substituted furan ring, optionally substituted pyrazole ring or optionally substituted oxazole ring, ...

- C ring is optionally substituted benzene ring, optionally substituted pyridine ring, optionally substituted pyridine ring, optionally substituted pyridine ring, optionally substituted pyridine ring, optionally substituted isoxazole ring, optionally substituted pyridine ring, optionally substituted morpholine ring, optionally substituted piperazine ring, optionally substituted imidazole ring or optionally substituted triazole ring,
- X is -O- or -NR¹- wherein R¹ is hydrogen, methyl or prenyl,
 Y is optionally substituted lower alkyl or optionally substituted lower alkenyl, and one of V¹ and V² is a single bond and the other is a single bond, -O- or -NH-, preferably A ring is optionally substituted benzene ring {wherein the substituents are halogen, hydroxy, lower alkoxy, acyloxy, lower alkylsulfonyl, optionally substituted lower alkylsulfo-
- nyloxy (wherein the substituents are halogen) or arylsulfonyloxy),

 B ring is optionally substituted benzene ring (wherein the substituents are halogen, hydroxy, lower alkyl, lower alkoxy, lower alkoxycarbonyl, lower alkenyloxy or lower alkylsulfonyloxy),
 - optionally substituted pyridine ring (wherein the substituents are halogen or lower alkyl), optionally substituted pyrimidine ring (wherein the substituents are optionally substituted lower alkyl (wherein the substituents are hydroxy or acyloxy), lower alkoxy, lower alkylthio, optionally substituted amino (wherein the substituents).
- uents are lower alkyl), carboxy or lower alkoxycarbonyl)},
 optionally substituted pyridazine ring (wherein the substituents are lower alkyl or oxide),
 - optionally substituted thiophene ring (wherein the substituents are lower alkyl), optionally substituted pyrazole ring (wherein the substituents are optionally substituted lower alkyl (wherein the substituents are hydroxy), lower alkoxy, carboxy, or lower alkoxycarbonyl),
 - or optionally substituted oxazole ring (wherein the substituents are lower alkyl), C ring is optionally substituted benzene ring (wherein the substituents are halogen, hydroxy, optionally substituted lower alkyl (wherein the substituents are halogen), optionally substituted lower alkoxy (wherein the substituents are aryl or lower alkoxy), lower alkenyloxy, lower alkylthio, optionally substituted amino (wherein the substituents are lower alkyl, lower alkenyl, optionally substituted acyl (wherein the substituents are halogen) or lower alkylsulfonyl, nitro, lower alkylsulfonyl or lower alkylsulfonyloxy),
 - optionally substituted pyridine ring (wherein the substituents are halogen, hydroxy, lower alkyl, lower alkynyl, lower alkynyl, optionally substituted lower alkoxy (wherein the substituents are halogen, aryl or 5- or 6-membered heterocycle), lower alkenyloxy, lower alkynyloxy, lowe

the substituents are lower alkyl, heterocyclyl(lower)alkyl, cycloalkylalkyl, lower alkenyl or cycloalkyl), lower alkylsulfonyl, 5- or 6-membered heterocycle, nitro or oxo},

optionally substituted pyrimidine ring {wherein the substituents are halogen, hydroxy, optionally substituted lower alkoxy (wherein the substituents are aryl), lower alkenyloxy or optionally substituted amino (wherein the substituents are lower alkyl or lower alkenyl)},

optionally substituted pyridazine ring (wherein the substituents are halogen, optionally substituted lower alkoxy (wherein the substituents are aryl), lower alkenyloxy or optionally substituted amino (wherein the substituents are lower alkyl, lower alkoxy or lower alkenyl),

optionally substituted pyrazine ring {the substituents are halogen, optionally substituted lower alkoxy (wherein the substituents are aryl), lower alkenyloxy, optionally substituted amino (wherein the substituents are lower alkenyl)}, optionally substituted isoxazole ring (wherein the substituents are optionally substituted lower alkoxy (wherein the substituents are aryl), lower alkenyloxy, or optionally substituted amino (wherein the substituents are lower alkenyl or lower alkylsulfonyl)},

optionally substituted pyrazole ring {wherein the substituents are lower alkyl, optionally substituted lower alkoxy (wherein the substituents are aryl), lower alkenyloxy, or optionally substituted amino (wherein the substituents are lower alkenyl or lower alkylsulfonyl)},

or benzothiazole ring,

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X is -O-, -NH- or -NMe-,

Y is optionally substituted lower alkyl (wherein the substituents are 5- or 6-membered heterocycle or optionally substituted phenyl (wherein the substituents are lower alkyl or lower alkoxy)) or lower alkenyl (wherein the substituents are halogen), and one of V^1 and V^2 is a single bond and the other is a single bond, -O- or -NH-, more preferably A ring is optionally substituted benzene ring (wherein the substituents are halogen, hydroxy, lower alkoxy or lower alkylsulfonyloxy),

B ring is benzene ring (wherein the substituents are halogen, hydroxy, lower alkyl, lower alkoxy or lower alkoxycarbonyl),

optionally substituted pyridine ring (wherein the substituents are halogen or lower alkyl),

optionally substituted pyrimidine ring {wherein the substituents are optionally substituted lower alkyl (wherein the substituents are hydroxy or acyloxy), lower alkoxy, lower alkylthio, optionally substituted amino (wherein the substituents are lower alkyl), carboxy or lower alkoxycarbonyl),

optionally substituted pyrazole ring {wherein the substituents are optionally substituted lower alkyl (wherein the substituents are hydroxy), lower alkoxy, carboxy, or lower alkoxycarbonyl},

C ring is optionally substituted benzene ring (wherein the substituents are halogen, hydroxy, optionally substituted lower alkyl (wherein the substituents are halogen), optionally substituted lower alkoxy (wherein the substituents are aryl), lower alkenyloxy, lower alkylthio, optionally substituted amino (wherein the substituents are lower alkyl, lower alkenyl, optionally substituted acyl (wherein the substituents are halogen), or lower alkylsulfonyl), nitro, lower alkylsulfonyl or lower alkylsulfonyloxy),

optionally substituted pyridine ring {wherein the substituents are halogen, hydroxy, lower alkyl, lower alkynyl, optionally substituted lower alkoxy (wherein the substituents are halogen, aryl or 5- or 6-membered heterocycle), lower alkenyloxy, lower alkyloxy, lower alkylthio, lower alkenylthio, optionally substituted amino (wherein the substituents are lower alkyl, heterocyclyl(lower)alkyl, cycloalkylalkyl, lower alkenyl or cycloalkyl), lower alkylsulfonyl, 5- or 6-membered heterocycle, nitro or oxo},

optionally substituted pyrimidine ring {wherein the substituents are halogen, hydroxy, optionally substituted lower alkoxy (wherein the substituents are aryl), lower alkenyloxy or optionally substituted amino (wherein the substituents are lower alkyl or lower alkenyl)},

optionally substituted pyridazine ring {wherein the substituents are halogen, optionally substituted lower alkoxy (wherein the substituents are aryl), lower alkenyloxy or optionally substituted amino (wherein the substituents are lower alkyl, lower alkoxy or lower alkenyl)},

or optionally substituted pyrazine ring {wherein the substituents are halogen, optionally substituted lower alkoxy (wherein the substituents are aryl), lower alkenyloxy or optionally substituted amino (wherein the substituents are lower alkenyl).

X is -O- and Y is prenyl or optionally substituted benzyl (wherein the substituents are lower alkyl or lower alkoxy) or X is -NR¹- and Y is methyl,

V¹ is a single bond and V² is a single bond, -O- or -NH-,

more preferably A ring is optionally substituted benzene ring (wherein the substituents are halogen, hydroxy, lower alkoxy or lower alkylsulfonyloxy), B ring is optionally substituted benzene ring (wherein the substituents are halogen, hydroxy, lower alkyl, lower alkoxy or lower alkoxycarbonyl),

optionally substituted pyridine ring (wherein the substituents are lower alkyl), optionally substituted pyrimidine ring (wherein the substituents are lower alkyl, lower alkoxy, carboxy or lower alkoxycarbonyl),

optionally substituted pyrazole ring (wherein the substituents are lower alkyl, lower alkoxy, carboxy or lower alkoxycarbonyl),

C ring is optionally substituted benzene ring {wherein the substituents are halogen, hydroxy, lower alkoxy, lower alkenyloxy, optionally substituted amino (wherein the substituents are lower alkyl) or lower alkylsulfonyloxy}, optionally substituted pyridine ring {wherein the substituents are optionally substituted amino {wherein the substituents are halogen, lower alkyl, optionally substituted lower alkoxy (wherein the substituents are aryl or 5- or 6-membered heterocycle), lower alkenyloxy or optionally substituted amino (wherein the substituents are lower alkyl,

membered heterocycle), lower alkenyloxy or optionally substituted amino (wherein the substituents are lower alkyl, heterocyclyl(lower)alkyl or lower alkenyl)}, optionally substituted pyrimidine ring (wherein the substituents are halogen, hydroxy, lower alkoxy, lower alkenyloxy, amino or lower alkenylamino), optionally substituted pyridazine ring (wherein the substituents are halogen, lower alkoxy, lower alkenyloxy, amino, lower alkylamino or lower alkenylamino), or optionally substituted pyrazine ring (wherein the substituents are lower alkenyloxy, amino or lower alkenylamino),

X is -O- and Y is prenyl or optionally substituted benzyl (wherein the substituents are lower alkyl or lower alkoxy) or X is NR¹ and Y is methyl or prenyl,

V¹ is a single bond and V² is a single bond, -O- or -NH,

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9) a compound wherein two of A ring, B ring and C ring are optionally substituted benzene ring and the other one is optionally substituted 5- or 6-membered heterocycle which may fuse with benzene ring,

preferably A ring is optionally substituted benzene ring, one of B ring and C ring is optionally substituted benzene ring and the other is optionally substituted 5- or 6-membered heterocycle which may fuse with benzene ring,

more preferably A ring is optionally substituted benzene ring, one of B ring and C ring is optionally substituted benzene ring and the other is optionally substituted 5-or 6-membered heterocycle which may fuse with benzene ring and both of V^1 and V^2 are single bonds,

10) a compound wherein all of A ring, B ring and C ring are optionally substituted benzene ring, V^1 is a single bond and V^2 is -O- or -NH-,

11) a compound wherein both of A ring and B ring are optionally substituted benzene ring and -X-Y is -NMe₂, prenyloxy or prenylamino,

preferably both of A ring and B ring are optionally substituted benzene ring and C ring is optionally substituted pyridine ring, optionally substituted pyridine ring, optionally substituted pyridine ring, optionally substituted isoxazole ring or optionally substituted pyrazole ring, -X-Y is -NMe₂, prenyloxy or prenylamino and both of V¹ and V² are single bonds,

12) a compound of any of following formulas

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wherein R^4 , R^5 , R^6 and R^7 are each independently hydrogen, halogen, hydroxy, lower alkoxy, acyloxy, optionally substituted lower alkylsulfonyloxy (wherein the substituents are halogen) or arylsulfonyloxy,

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 R^8 , R^9 , R^{10} and R^{11} are each independently hydrogen, hydroxy, lower alkyl, lower alkoxy or lower alkylsulfonyloxy, R^{12} , R^{13} , R^{14} , R^{15} and R^{16} are each independently hydrogen, halogen, hydroxy, optionally substituted lower alkyl(wherein the substituents are halogen), optionally substituted lower alkoxy (wherein the substituents are aryl), lower alkenyloxy, lower alkylsulfonyl, lower alkylsulfonyloxy, nitro or optionally substituted amino (wherein the substituents are lower alkyl, lower alkenyl, optionally substituted acyl (wherein the substituents are halogen) or lower alkylsulfonyl),

B ring is optionally substituted pyridine ring (wherein the substituents are halogen or lower alkyl),

optionally substituted pyrimidine ring {wherein the substituents are optionally substituted lower alkyl (wherein the substituents are hydroxy or acyloxy), lower alkoxy, lower alkylthio, optionally substituted amino (wherein the substituents are lower alkyl), carboxy or lower alkoxycarbonyl).

optionally substituted pyridazine (wherein the substituents are lower alkyl or oxide), optionally substituted thiophene ring (wherein the substituents are lower alkyl), optionally substituted pyrazole ring (wherein the substituents are optionally substituted lower alkyl (wherein the substituents are hydroxy), lower alkoxy, carboxy or lower alkoxycarbonyl),

or optionally substituted oxazole ring (wherein the substituents are lower alkyl),

C ring is optionally substituted pyridine ring {wherein the substituents are hydroxy, halogen, lower alkyl, optionally substituted lower alkoxy (wherein the substituents are aryl), lower alkenyloxy, optionally substituted amino {wherein the substituents are lower alkyl, optionally substituted acyl (wherein the substituents are halogen), lower alkenyl, or lower alkylsulfonyl}, nitro, lower alkylsulfonyl or optionally substituted imino (wherein the substituents are lower alkylsulfonyl)}, optionally substituted pyrimidine ring {wherein the substituents are halogen, hydroxy, optionally substituted lower alkoxy (wherein the substituents are aryl), lower alkenyloxy or optionally substituted amino (wherein the substituents are lower alkyl or lower alkenyl)},

optionally substituted pyridazine ring {wherein the substituents are halogen, optionally substituted lower alkoxy (wherein the substituents are aryl), lower alkenyloxy or optionally substituted amino (wherein the substituents are lower alkyl, lower alkenyl or lower alkenyloxy)},

optionally substituted pyrazine ring {wherein the substituents are halogen, optionally substituted lower alkoxy (wherein the substituents are aryl), lower alkenyloxy or optionally substituted amino (wherein the substituents are lower alkyl or lower alkenyl)},

optionally substituted isoxazole ring {wherein the substituents are optionally substituted lower alkoxy (wherein the substituents are aryl), lower alkenyloxy or optionally substituted amino (wherein the substituents are lower alkenyl or lower alkylsulfonyl)},

optionally substituted pyrazole ring {wherein the substituents are lower alkyl, optionally substituted lower alkoxy (wherein the substituents are aryl), lower alkenyloxy or optionally substituted amino (wherein the substituents are lower alkenyl or lower alkylsulfonyl).

benzothiazole ring,

morpholine ring,

piperazine ring (wherein the substituents are lower alkyl or phenyl),

imidazole ring

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or triazole ring,

V¹ is a single bond or -O-,

 V^2 is a single bond, -O-, -NH-, -OCH₂-, -CH₂O-, -CH=CH-, -C \equiv C-, -CH(OEt)-, -CH(OH)-, -CO-, -NHCH₂- or -NHCH(OH)-,

X is -O- or -NR¹- (wherein R¹ is hydrogen, optionally substituted lower alkyl, lower alkenyl, lower alkylcarbonyl or optionally substituted lower alkoxycarbonyl),

and Y is methyl, optionally substituted prenyl (wherein the substituents are halogen) or optionally substituted benzyl (wherein the substituents are lower alkyl or lower alkoxy)

13) a compound wherein both of A ring and B ring are optionally substituted benzene ring and C ring is

Y is CH₂CH=CMe₂ and both of V¹ and V² are single bonds,

14) a compound wherein both of A ring and B ring are benzene ring, C ring is

X is -O-, Y is hydrogen, and both of V^1 and V^2 are single bonds,

15) a compound wherein both of A ring and B ring is optionally substituted benzene ring, C ring is

X is -NH- and both of V^1 and V^2 are single bonds.

[0041] Another preferable embodiment is,

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[1] a compound of the following formula (lb'):

$$Y - X - X - X - X - Y$$

$$R^{3} - R^{3} - R^{3} - R^{5} - R^{4}$$

$$R^{11} - R^{10} - R^{7} - R^{6}$$

$$R^{5} - R^{4} - X - Y$$

$$R^{11} - R^{10} - R^{7} - R^{6}$$

wherein C ring is optionally substituted 5- or 6-membered heterocycle which contains one or two hetero atoms and W^3 represents a bond when C ring is 5-membered heterocycle,

X and X' are each independently -O-, -CH₂-, -N R¹- wherein R¹ is hydrogen, optionally substituted lower alkenyl, lower alkenyl, lower alkylcarbonyl or optionally substituted lower alkoxycarbonyl, or -S(O)p- wherein p is an integer of 0 - $\frac{1}{2}$

Y and Y' are each independently optionally substituted lower alkyl, optionally substituted lower alkynyl, optionally substituted acyl, optionally substituted cycloalkyl, optionally substituted cycloalkenyl, optionally substituted lower alkoxycarbonyl, optionally substituted amino, optionally substituted sulfamoyl, optionally substituted aryl or optionally substituted 5- or 6-membered heterocycle,

 R^1 , taken together with Y or Y', may form -(CH₂)m-, -(CH₂)₂-Q-(CH₂)₂- wherein Q is CH₂, O, S or NR', -CR'=CH-CH=CR'-, -CH=N-CH=CH-, -N=CH-N=CH-, -C(=O)-O(CH₂)n-, -C(=O)-NR'-(CH₂)n- or -C(=O)-NR'-N=CH- wherein m is 4 or 5, n is 2 or 3, R' is hydrogen, lower alkyl or lower alkenyl,

Y may be optionally substituted lower alkoxy when X is $-CH_2$ -, Y' may be optionally substituted lower alkoxy when X' is $-CH_2$ -,

Y may be optionally substituted lower alkoxycarbonyl, optionally substituted lower alkylsulfonyl or optionally substituted arylsulfonyl when X is -O- or -NR¹-,

Y' may be optionally substituted lower alkoxycarbonyl, optionally substituted lower alkylsulfonyl or optionally substituted arylsulfonyl when X' is -O- or -NR¹-,

Y may be hydrogen or halogen when X is -CH2- or -NR1-,

Y' may be hydrogen or halogen when X' is -CH₂- or -NR¹-.

R⁴, R⁵, R⁶, R⁷, R⁸, R⁹, R¹⁰ and R¹¹ are each independently hydrogen, halogen, hydroxy, optionally substituted lower alkenyl, optionally substituted lower alkenyl, optionally substituted lower alkenyloxy, optionally substituted cycloalkyloxy, optionally substituted acyloxy, carboxy, optionally substituted lower alkoxycarbonyl, optionally substituted lower alkenyloxycarbonyl, optionally substituted lower alkylthio, optionally

substituted lower alkenylthio, optionally substituted amino, optionally substituted carbamoyl, guanidino, nitro, optionally substituted lower alkylsulfonyl, optionally substituted lower alkylsulfonyloxy, optionally substituted arylsulfonyloxy,

excluding compounds wherein all of R⁸, R⁹, R¹⁰ and R¹¹ are selected from hydrogen and halogen.

In the following compound of the formula (lb'), preferable is:

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- a compound wherein R^4 and R^5 are each independently hydrogen, hydroxy, halogen, optionally substituted lower alkyl, optionally substituted lower alkylsulfonyloxy or optionally substituted arylsulfonyloxy (hereinafter referred to as " R^4 and R^5 are R^4 5-1"),
- a compound wherein R^4 and R^5 are each independently hydrogen, hydroxy, halogen, lower alkyl, lower alkyl, lower alkyl, lower alkyl, acyloxy, optionally substituted lower alkylsulfonyloxy or arylsulfonyloxy (hereinafter referred to as " R^4 and R^5 are R45-2")
- a compound wherein R^4 and R^5 are each independently hydrogen, halogen or lower alkoxy (hereinafter referred to as " R^4 and R^5 are R45-3").
- a compound wherein one of R⁴ and R⁵ is hydrogen and the other is halogen (hereinafter referred to as "R⁴ and R⁵ are R45-4")
- a compound wherein one of R⁴ and R⁵ is hydrogen and the other is chloro or fluoro (hereinafter referred to as "R⁴ and R⁵ are R45-5"),
- a compound wherein R⁴ is hydrogen and R⁵ is halogen (hereinafter referred to as "R⁴ and R⁵ are R45-6"),
- a compound wherein R⁴ is hydrogen and R⁵ is chloro or fluoro (hereinafter referred to as "R⁴ and R⁵ are R45-7"), a compound wherein R⁶ and R⁷ are each independently hydrogen, halogen or lower alkyl (hereinafter referred to as "R⁶ and R⁷ are R67-1"),
- a compound wherein both of R⁶ and R⁷ are hydrogen (hereinafter referred to as "R⁶ and R⁷ are R67-2"),
- a compound wherein R⁸ and R¹¹ are each independently hydrogen, halogen, hydroxy, optionally substituted lower alkyl, optionally substituted lower alkoxy, optionally substituted lower alkylthio, optionally substituted lower alkoxycarbonyl or optionally substituted lower alkylsulfonyloxy (hereinafter referred to as "R⁸ and R¹¹ are R811-1").
- a compound wherein R⁸ and R¹¹ are each independently hydrogen, halogen, hydroxy, optionally substituted lower alkyl, optionally substituted lower alkoxy, optionally substituted lower alkylthio, optionally substituted lower alkoxycarbonyl or optionally substituted lower alkylsulfonyloxy (hereinafter referred to as "R⁸ and R¹¹ are R811-2"),
- a compound wherein R⁸ and R¹¹ are each independently hydrogen, halogen, hydroxy, optionally substituted lower alkyl, optionally substituted lower alkoxy or optionally substituted lower alkoxycarbonyl (hereinafter referred to as "R⁸ and R¹¹ are R811-3"),
- a compound wherein R⁸ and R¹¹ are each independently hydrogen, halogen, optionally substituted lower alkyl, optionally substituted lower alkoxy or lower alkoxycarbonyl (hereinafter referred to as "R⁸ and R¹¹ are R811-4"), a compound wherein R⁸ and R¹¹ are each independently hydrogen, optionally substituted lower alkyl, optionally substituted lower alkoxy or lower alkoxycarbonyl (hereinafter referred to as "R⁸ and R¹¹ are R811-5"),
- a compound wherein R⁸ and R¹¹ are each independently hydrogen, optionally substituted lower alkyl or optionally substituted lower alkoxy (hereinafter referred to as "R⁸ and R¹¹ are R811-6"),
- a compound wherein R⁸ and R¹¹ are each independently optionally substituted lower alkyl or optionally substituted lower alkoxy (hereinafter referred to as "R⁸ and R¹¹ are R811-7"),
- a compound wherein R⁸ and R¹¹ are each independently lower alkyl or lower alkoxy (hereinafter referred to as "R⁸ and R¹¹ are R811-8"),
- a compound wherein both of R⁸ and R¹¹ are optionally substituted lower alkyl or optionally substituted lower alkoxy (hereinafter referred to as "R⁸ and R¹¹ are R811-9"),
- a compound wherein both of R⁸ and R¹¹ are lower alkyl, or one of R⁸ and R¹¹ is lower alkyl and the other is lower alkoxy (hereinafter referred to as "R⁸ and R¹¹ are R811-10"),
- a compound wherein both of R⁸ and R¹¹ are lower alkyl (hereinafter referred to as "R⁸ and R¹¹ are R811-11"), a compound wherein R⁸ and R¹¹ are each independently methyl or methoxy (hereinafter referred to as "R⁸ and R¹¹
- a compound wherein R⁹ and R¹⁰ are each independently hydrogen, halogen, hydroxy, optionally substituted lower alkyl, optionally substituted lower alkoxy, optionally substituted cycloalkoxy, optionally substituted lower alkylthio, optionally substituted lower alkoxycarbonyl or optionally substituted lower alkylsulfonyloxy (hereinafter referred to as "R⁹ and R¹⁰ are R910-1"),
- a compound wherein R⁹ and R¹⁰ are each independently hydrogen, halogen, hydroxy, optionally substituted lower alkyl, optionally substituted lower alkoxy, cycloalkoxy, lower alkylthio, lower alkoxycarbonyl or optionally substituted lower alkylsulfonyloxy (hereinafter referred to as "R⁹ and R¹⁰ are R910-2"),
 - a compound wherein R9 and R10 are each independently hydrogen, halogen, hydroxy, optionally substituted lower

alkyl, optionally substituted lower alkoxy or optionally substituted lower alkylsulfonyloxy (hereinafter referred to as "R9 and R10 are R910-3"),

a compound wherein R9 and R10 are each independently hydrogen, halogen, hydroxy, optionally substituted lower alkyl or optionally substituted lower alkoxy (hereinafter referred to as "R9 and R10 are R910-4"),

a compound wherein R9 and R10 are each independently hydrogen, optionally substituted lower alkyl or optionally substituted lower alkoxy (hereinafter referred to as "R9 and R10 are R910-5"),

a compound wherein R9 and R10 are each independently hydrogen or optionally substituted lower alkyl (hereinafter referred to as "R9 and R10 are R910-6"),

a compound wherein both of R⁹ and R¹⁰ are hydrogen or optionally substituted lower alkyl (hereinafter referred to as "R⁹ and R¹⁰ are R910-7"),

a compound wherein both of R^9 and R^{10} are hydrogen or lower alkyl (hereinafter referred to as " R^9 and R^{10} are

a compound wherein both of R^9 and R^{10} are hydrogen (hereinafter referred to as " R^9 and R^{10} are R910-9"), a compound wherein both of R^9 and R^{10} are lower alkyl (hereinafter referred to as " R^9 and R^{10} are R910-10"),

a compound wherein R9 and R10 are each independently hydrogen or lower alkyl (hereinafter referred to as "R9 and R¹⁰ are R910-11"),

a compound wherein C ring is 5- or 6-membered heterocycle which contains at least one N atom (hereinafter referred to as "C ring is C-1"),

a compound wherein C ring is a 6-membered heterocycle which contains at least one N atom (hereinafter referred to as "C ring is C-2").

a compound wherein C ring is optionally substituted pyridine, optionally substituted pyrimidine, optionally substituted pyridazine or optionally substituted pyrazine (hereinafter referred to as "C ring is C-3"),

a compound wherein C ring is optionally substituted pyridine or optionally substituted pyrimidine (hereinafter referred to as "C ring is C-4"),

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a compound wherein C ring is

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$$G^{1}$$
 N
 G^{1}
 G^{1}
 G^{1}
 G^{1}
 G^{1}
 G^{2}
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 G^{2}
 G^{2}
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 G^{2}

wherein G¹ is CR¹³ or N, G² is CR¹⁵ or N and R¹², R¹³, R¹⁴ and R¹⁵ are each independently hydrogen, halogen, hydroxy, optionally substituted lower alkyl, optionally substituted lower alkoxy, optionally substituted lower alkenyl, ... optionally substituted lower alkenyloxy, optionally substituted acyloxy, carboxy, optionally substituted lower alkoxycarbonyl, optionally substituted lower alkenyloxycarbonyl, optionally substituted lower alkylthio, optionally substituted lower alkenylthio, optionally substituted amino, guanidino, nitro, optionally substituted lower alkylsulfonyl, optionally substituted lower alkylsulfonyloxy, optionally substituted arylsulfonyl or optionally substituted arylsulfonyloxy (hereinafter referred to as "C ring is C-5"), a compound wherein C ring is

$$G^{1}$$
 R^{12}
 G^{1}
 G^{1}
 G^{1}
 G^{1}
 $G^{2}=N$
 $G^{2}=N$

wherein G¹ is CR¹³ or N, G² is CR¹⁵ or N and R¹², R¹³, R¹⁴ and R¹⁵ are each independently hydrogen, halogen. hydroxy, lower alkyl, optionally substituted lower alkenyl, optionally substituted lower alkoxy, optionally substituted amino or nitro (hereinafter referred to as "C ring is C-6"),

a compound wherein C ring is C-5 and G1 and G2 are each independently CH or N (hereinafter referred to as "C

a compound wherein C ring is C-6 and G1 and G2 are each independently CH or N (hereinafter referred to as "C ring is C-8"),

a compound wherein C ring is

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(hereinafter referred to as "C ring is C-9")

a compound wherein X and X' are -O-, -CH₂-, -NR¹- (wherein R¹ is hydrogen, optionally substituted lower alkyl, lower alkylcarbonyl or optionally substituted lower alkoxycarbonyl) or -S(O)p- wherein p is an integer of 0 - 2,

Y and Y' are each independently optionally substituted lower alkyl, optionally substituted lower alkynyl, optionally substituted cycloalkyl, optionally substituted cycloalkenyl, optionally substituted amino, optionally substituted sulfamoyl, optionally substituted aryl or optionally substituted 5- or 6-membered heterocycle,

Y may be optionally substituted lower alkoxycarbonyl, optionally substituted lower alkylsulfonyl or optionally substituted arylsulfonyl when X is -O- or - NR¹-,

Y' may be optionally substituted lower alkoxycarbonyl, optionally substituted lower alkylsulfonyl or optionally substituted arylsulfonyl when X' is -O- or - NR¹-,

Y may be hydrogen or halogen when X is $-CH_2$ - or $-NR^1$ - and Y' may be hydrogen or halogen when X' is $-CH_2$ - or $-NR^1$ - provided that Y and Y' are not simultaneously hydrogen (hereinafter referred to as "X, X', Y and Y' are XY-1"), a compound wherein X and X' are each independently -O-, $-CH_2$ -, $-NR^1$ - wherein R^1 is hydrogen, optionally substituted lower alkyl, lower alkenyl, lower alkylcarbonyl or optionally substituted lower alkoxycarbonyl or -S(O)p- wherein p is an integer of 0 - 2,

Y and Y' are each independently optionally substituted lower alkyl, optionally substituted lower alkynyl, optionally substituted sulfamoyl, optionally substituted aryl or optionally substituted 5- or 6-membetered heterocycle (hereinafter referred to as "X, X', Y and Y' are XY-2"), a compound wherein one of X and X' is -O- and the other is -NR¹- wherein R¹ is hydrogen, optionally substituted lower alkyl, lower alkenyl, lower alkylcarbonyl or optionally substituted lower alkoxycarbonyl (hereinafter referred to as "X, X', Y and Y' are XY-3"),

a compound wherein one of X and X' is -O- and the other is -NH- (hereinafter referred to as "X, X', Y and Y' are XY-4")

a compound wherein at least one of Y and Y' is prenyl (hereinafter referred to as "X, X', Y and Y' are XY-5"), a compound wherein X and X' are each independently -O- or -NR¹- wherein R¹ is hydrogen, lower alkyl, lower alkenyl or optionally substituted lower alkoxycarbonyl, Y and Y' are each independently optionally substituted lower alkyl, optionally substituted lower alkynyl, optionally substituted substituted substituted aryl or optionally substituted 5- or 6-membered heterocycle (hereinafter referred to as "X, X', Y and Y' are XY-6"),

a compound wherein one of X and X' is -O- and the other is -NR¹- wherein R¹ is hydrogen, lower alkyl, lower alkenyl or optionally substituted lower alkoxycarbonyl, Y and Y' are each independently optionally substituted lower alkyl, optionally substituted lower alkenyl or optionally substituted lower alkynyl (hereinafter referred to as "X, X', Y and Y' are XY-7"),

a compound wherein one of X and X' is -O- and the other is -NH, Y and Y' are each independently optionally substituted lower alkyl, optionally substituted alkynyl, optionally substituted cycloalkyl, optionally substituted sulfamoyl, optionally substituted aryl or optionally substituted 5- or 6-membered heterocycle (hereinafter referred to as "X, X', Y and Y' are XY-8"),

a compound wherein one of X and X' is -O- and the other is -NR¹- wherein R¹ is hydrogen, lower alkyl or lower alkenyl, Y and Y' are each independently optionally substituted lower alkyl, or optionally substituted lower alkenyl (hereinafter referred to as "X, X', Y and Y' are XY-9"),

a compound wherein one of X and X' is -O- and the other is -NH-, Y and Y' are each independently optionally substituted lower alkyl or optionally substituted lower alkenyl (hereinafter referred to as "X, X, Y and Y' are XY-10"), a compound wherein one of X and X is -O- and the other is -NR¹- wherein R¹ is hydrogen, lower alkyl, lower alkenyl or optionally substituted lower alkoxycarbonyl, one of Y and Y' is lower alkyl or lower alkenyl and the other is optionally substituted lower alkyl, optionally substituted lower alkynyl, optionally substituted cycloalkyl, optionally substituted sulfamoyl, optionally substituted aryl or optionally substituted 5- or 6-membered heterocycle (hereinafter referred to as "X, X, Y and Y' are XY-11"),

a compound wherein one of X and X' is -O- and the other is -NH-, one of Y and Y' is lower alkyl or lower alkenyl and the other is optionally substituted lower alkyl, optionally substituted lower alkyl.

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nyl, optionally substituted cycloalkyl, optionally substituted sulfamoyl, optionally substituted aryl or optionally sub-
          stituted 5- or 6-membered heterocycle (hereinafter referred to as "X, X', Y and Y' are XY-12"),
          a compound wherein one of X and X' is -O- and the other is -NR<sup>1</sup>- wherein R<sup>1</sup> is hydrogen, lower alkyl, lower alkenyl
          or optionally substituted lower alkoxycarbonyl, one of Y and Y' is lower alkyl or lower alkenyl and the other is hydro-
          gen or optionally substituted lower alkyl, optionally substituted lower alkenyl or optionally substituted lower alkynyl
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          (hereinafter referred to as "X, X', Y and Y' are XY-13"),
          a compound wherein one of X and X' is -O- and the other is -NH-, one of Y and Y' is lower alkyl or lower alkenyl and
          the other is hydrogen, optionally substituted lower alkyl, optionally substituted lower alkenyl or optionally substituted
          lower alkynyl (hereinafter referred to as "X, X', Y and Y' are XY-14"),
          a compound wherein one of X and X' is -O- and the other is -NR1- wherein R1 is hydrogen, lower alkyl, lower alkenyl
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          or optionally substituted lower alkoxycarbonyl, one of Y and Y' is prenyl and the other is optionally substituted lower
          alkyl, optionally substituted lower alkenyl, optionally substituted lower alkynyl, optionally substituted cycloalkyl,
          optionally substituted sulfamoyl, optionally substituted aryl or optionally substituted 5- or 6-membered heterocycle
          (hereinafter referred to as "X, X', Y and Y' are XY-15),
          a compound wherein one of X and X' is -O- and the other is -NH-, one of Y and Y' is prenyl and the other is option-
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          ally substituted lower alkyl, optionally substituted lower alkenyl, optionally substituted lower alkynyl, optionally sub-
          stituted cycloalkyl, optionally substituted sulfamoyl, optionally substituted aryl or optionally substituted 5- or 6-
          membered heterocycle (hereinafter referred to as "X, X', Y and Y are XY-16"), a compound wherein one of X and
          X' is -O- and the other is -NR1- wherein R1 is hydrogen, lower alkyl, lower alkenyl or optionally substituted lower
          alkoxycarbonyl, one of Y and Y' is prenyl and the other is hydrogen, optionally substituted lower alkyl, optionally
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          substituted lower alkenyl or optionally substituted lower alkynyl (hereinafter referred to as "X, X', Y and Y' are XY-
          a compound wherein one of X and X' is -O- and the other is -NH-, one of Y and Y' is prenyl and the other is hydro-
          gen, optionally substituted lower alkyl, optionally substituted lower alkenyl or optionally substituted lower alkynyl
          (hereinafter referred to as "X, X', Y and Y' are XY-18"),
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          a compound wherein one of -X-Y and -X'-Y' is optionally substituted lower alkylamino or optionally substituted lower
           alkenylamino and the other is optionally substituted lower alkoxy or optionally substituted lower alkenyloxy (herein-
           after referred to as "X, X', Y and Y' are XY-19"),
           a compound wherein one of -X-Y and -X'-Y' is optionally substituted lower alkylamino or optionally substituted lower
           alkenylamino and the other is prenyloxy (hereinafter referred to as "X, X', Y and Y' are XY-20"),
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           a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-1 and R<sup>6</sup> and R<sup>7</sup> are R67-1,
           a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-1 and R<sup>6</sup> and R<sup>7</sup> are R67-2,
           a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-2 and R<sup>6</sup> and R<sup>7</sup> are R67-1,
           a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-2 and R<sup>6</sup> and R<sup>7</sup> are R67-2,
           a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-3 and R<sup>6</sup> and R<sup>7</sup> are R67-1,
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           a compound wherein R4 and R5 are R45-3 and R6 and R7 are R67-2,
           a compound wherein R4 and R5 are R45-4 and R6 and R7 are R67-1,
           a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-4 and R<sup>6</sup> and R<sup>7</sup> are R67-2,
           a compound wherein R4 and R5 are R45-5 and R6 and R7 are R67-1,
           a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-5 and R<sup>6</sup> and R<sup>7</sup> are R67-2.
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           a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-6 and R<sup>6</sup> and R<sup>7</sup> are R67-1,
           a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-6 and \mathbb{R}^6 and \mathbb{R}^7 are R67-2,
           a compound wherein R^4 and R^5 are R45-7 and R^6 and R^7 are R67-1,
           a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-7 and R<sup>6</sup> and R<sup>7</sup> are R67-2,
           a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-2 and R<sup>9</sup> and R<sup>10</sup> are R910-3,
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           a compound wherein R8 and R11 are R811-2 and R9 and R10 are R910-4,
           a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-2 and R<sup>9</sup> and R<sup>10</sup> are R910-5,
           a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-2 and R<sup>9</sup> and R<sup>10</sup> are R910-6,
           a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-2 and R<sup>9</sup> and R<sup>10</sup> are R210-7,
           a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-2 and R<sup>9</sup> and R<sup>10</sup> are R910-8,
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           a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-2 and R<sup>9</sup> and R<sup>10</sup> are R910-9,
           a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-2 and R<sup>9</sup> and R<sup>10</sup> are R910-10.
           a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-2 and R<sup>9</sup> and R<sup>10</sup> are R910-11,
           a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-3 and R<sup>9</sup> and R<sup>10</sup> are R910-3,
           a compound wherein R8 and R11 are R811-3 and R9 and R10 are R910-4,
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           a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-3 and R<sup>9</sup> and R<sup>10</sup> are R910-5,
           a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-3 and R<sup>9</sup> and R<sup>10</sup> are R910-6, a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-3 and R<sup>9</sup> and R<sup>10</sup> are R910-7,
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a compound wherein R8 and R11 are R811-3 and R9 and R10 are R910-8,
                 a compound wherein R8 and R11 are R811-3 and R9 and R10 are R910-9,
                 a compound wherein R8 and R11 are R811-3 and R9 and R10 are R910-10,
                 a compound wherein R8 and R11 are R811-3 and R9 and R10 are R910-11.
                 a compound wherein R8 and R11 are R811-4 and R9 and R10 are R910-3,
                 a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-4 and R<sup>9</sup> and R<sup>10</sup> are R910-4.
                 a compound wherein R8 and R11 are R811-4 and R9 and R10 are R910-5,
                 a compound wherein R8 and R11 are R811-4 and R9 and R10 are R910-6,
                 a compound wherein R8 and R11 are R811-4 and R9 and R10 are R910-7,
                 a compound wherein R^8 and R^{11} are R811-4 and R^9 and R^{10} are R910-8,
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                 a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-4 and R<sup>9</sup> and R<sup>10</sup> are R910-9,
                 a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-4 and R<sup>9</sup> and R<sup>10</sup> are R910-10, a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-4 and R<sup>9</sup> and R<sup>10</sup> are R910-11, a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-5 and R<sup>9</sup> and R<sup>10</sup> are R910-1, a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-5 and R<sup>9</sup> and R<sup>10</sup> are R910-2, a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-5 and R<sup>9</sup> and R<sup>10</sup> are R910-3,
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                 a compound wherein \mathbb{R}^8 and \mathbb{R}^{11} are \mathbb{R}811-5 and \mathbb{R}^9 and \mathbb{R}^{10} are \mathbb{R}910-4,
                 a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-5 and R<sup>9</sup> and R<sup>10</sup> are R910-5,
                 a compound wherein R8 and R11 are R811-5 and R9 and R10 are R910-6,
                 a compound wherein R8 and R11 are R811-5 and R9 and R10 are R910-7,
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                 a compound wherein R8 and R11 are R811-5 and R9 and R10 are R910-8,
                 a compound wherein R8 and R11 are R811-5 and R9 and R10 are R910-9,
                 a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-5 and R<sup>9</sup> and R<sup>10</sup> are R910-10,
                 a compound wherein R8 and R11 are R811-5 and R9 and R10 are R910-11,
                 a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-6 and R<sup>9</sup> and R<sup>10</sup> are R910-1,
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                 a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-6 and R<sup>9</sup> and R<sup>10</sup> are R910-2,
                 a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-6 and R<sup>9</sup> and R<sup>10</sup> are R910-3.
                 a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-6 and R<sup>9</sup> and R<sup>10</sup> are R910-4,
                 a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-6 and R<sup>9</sup> and R<sup>10</sup> are R910-5,
                 a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-6 and R<sup>9</sup> and R<sup>10</sup> are R910-6,
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                 a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-6 and R<sup>9</sup> and R<sup>10</sup> are R910-7.
                 a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-6 and R<sup>9</sup> and R<sup>10</sup> are R910-8.
                 a compound wherein R8 and R11 are R811-6 and R9 and R10 are R910-9,
                 a compound wherein R8 and R11 are R811-6 and R9 and R10 are R910-10,
                a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-6 and R<sup>9</sup> and R<sup>10</sup> are R910-11, a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-7 and R<sup>9</sup> and R<sup>10</sup> are R910-1, a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-7 and R<sup>9</sup> and R<sup>10</sup> are R910-2, a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-7 and R<sup>9</sup> and R<sup>10</sup> are R910-3, a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-7 and R<sup>9</sup> and R<sup>10</sup> are R910-4, a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-7 and R<sup>9</sup> and R<sup>10</sup> are R910-5, a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-7 and R<sup>9</sup> and R<sup>10</sup> are R910-6, a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-7 and R<sup>9</sup> and R<sup>10</sup> are R910-7, a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-7 and R<sup>9</sup> and R<sup>10</sup> are R910-8, a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-7 and R<sup>9</sup> and R<sup>10</sup> are R910-9, a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-7 and R<sup>9</sup> and R<sup>10</sup> are R910-10, a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-7 and R<sup>9</sup> and R<sup>10</sup> are R910-11, a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-8 and R<sup>9</sup> and R<sup>10</sup> are R910-2, a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-8 and R<sup>9</sup> and R<sup>10</sup> are R910-3, a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-8 and R<sup>9</sup> and R<sup>10</sup> are R910-3, a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-8 and R<sup>9</sup> and R<sup>10</sup> are R910-3, a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-8 and R<sup>9</sup> and R<sup>10</sup> are R910-4,
                 a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-6 and R<sup>9</sup> and R<sup>10</sup> are R910-11,
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                 a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-8 and R<sup>9</sup> and R<sup>10</sup> are R910-4.
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                 a compound wherein R8 and R11 are R811-8 and R9 and R10 are R910-5,
                 a compound wherein R8 and R11 are R811-8 and R9 and R10 are R910-6,
                 a compound wherein R8 and R11 are R811-8 and R9 and R10 are R910-7,
                 a compound wherein R8 and R11 are R811-8 and R9 and R10 are R910-8,
                 a compound wherein R8 and R11 are R811-8 and R9 and R10 are R910-9,
55
                 a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-8 and R<sup>9</sup> and R<sup>10</sup> are R910-10,
                 a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-8 and R<sup>9</sup> and R<sup>10</sup> are R910-11,
                 a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-9 and R<sup>9</sup> and R<sup>10</sup> are R910-1.
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a compound wherein R^8 and R^{11} are R811-9 and R^9 and R^{10} are R910-2,
                a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-9 and R<sup>9</sup> and R<sup>10</sup> are R910-2, a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-9 and R<sup>9</sup> and R<sup>10</sup> are R910-3, a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-9 and R<sup>9</sup> and R<sup>10</sup> are R910-4, a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-9 and R<sup>9</sup> and R<sup>10</sup> are R910-5, a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-9 and R<sup>9</sup> and R<sup>10</sup> are R910-6, a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-9 and R<sup>9</sup> and R<sup>10</sup> are R910-7, a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-9 and R<sup>9</sup> and R<sup>10</sup> are R910-9, a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-9 and R<sup>9</sup> and R<sup>10</sup> are R910-10, a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-9 and R<sup>9</sup> and R<sup>10</sup> are R910-11.
5
                 a compound wherein R^8 and R^{11} are R811-9 and R^9 and R^{10} are R910-11, a compound wherein R^8 and R^{11} are R811-10 and R^9 and R^{10} are R910-11, a compound wherein R^8 and R^{11} are R811-10 and R^9 and R^{10} are R910-2, a compound wherein R^8 and R^{11} are R811-10 and R^9 and R^{10} are R910-2,
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                 a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-10 and R<sup>9</sup> and R<sup>10</sup> are R910-3,
                  a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-10 and R<sup>9</sup> and R<sup>10</sup> are R910-4,
                  a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-10 and R<sup>9</sup> and R<sup>10</sup> are R910-5,
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                  a compound wherein R8 and R11 are R811-10 and R9 and R10 are R910-6,
                  a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-10 and R<sup>9</sup> and R<sup>10</sup> are R910-7,
                  a compound wherein R8 and R11 are R811-10 and R9 and R10 are R910-8,
                  a compound wherein R8 and R11 are R811-10 and R9 and R10 are R910-9,
                  a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-10 and R<sup>9</sup> and R<sup>10</sup> are R910-10,
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                  a compound wherein R8 and R11 are R811-10 and R9 and R10 are R910-11,
                  a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-11 and R<sup>9</sup> and R<sup>10</sup> are R910-1,
                  a compound wherein {\sf R}^8 and {\sf R}^{11} are R811-11 and {\sf R}^9 and {\sf R}^{10} are R910-2.
                  a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-11 and R<sup>9</sup> and R<sup>10</sup> are R910-3.
                  a compound wherein R8 and R11 are R811-11 and R9 and R10 are R910-4.
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                  a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-11 and R<sup>9</sup> and R<sup>10</sup> are R910-5,
                  a compound wherein \mathbb{R}^8 and \mathbb{R}^{11} are \mathbb{R}^{811-11} and \mathbb{R}^9 and \mathbb{R}^{10} are \mathbb{R}^{910-6},
                  a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-11 and R<sup>9</sup> and R<sup>10</sup> are R910-7,
                  a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-11 and R<sup>9</sup> and R<sup>10</sup> are R910-8,
                  a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-11 and R<sup>9</sup> and R<sup>10</sup> are R910-9,
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                  a compound wherein R8 and R11 are R811-11 and R9 and R10 are R910-10,
                a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-11 and R<sup>9</sup> and R<sup>10</sup> are R910-10, a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-11 and R<sup>9</sup> and R<sup>10</sup> are R910-11, a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-12 and R<sup>9</sup> and R<sup>10</sup> are R910-1, a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-12 and R<sup>9</sup> and R<sup>10</sup> are R910-2, a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-12 and R<sup>9</sup> and R<sup>10</sup> are R910-3, a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-12 and R<sup>9</sup> and R<sup>10</sup> are R910-4, a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-12 and R<sup>9</sup> and R<sup>10</sup> are R910-6, a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-12 and R<sup>9</sup> and R<sup>10</sup> are R910-7, a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-12 and R<sup>9</sup> and R<sup>10</sup> are R910-8, a compound wherein R<sup>8</sup> and R<sup>11</sup> are R811-12 and R<sup>9</sup> and R<sup>10</sup> are R910-9.
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                 a compound wherein R^8 and R^{11} are R811-12 and R^9 and R^{10} are R910-9,
                 a compound wherein R^8 and R^{11} are R811-12 and R^9 and R^{10} are R910-10, a compound wherein R^8 and R^{11} are R811-12 and R^9 and R^{10} are R910-11,
                  a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1 and \mathbb{R}^8 and \mathbb{R}^{11} are R811-3,
                  a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-1 and R<sup>8</sup> and R<sup>11</sup> are R811-4,
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                  a compound wherein R4 and R5 are R45-1 and R8 and R11 are R811-5,
                  a compound wherein R4 and R5 are R45-1 and R8 and R11 are R811-6,
                  a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-1 and R<sup>8</sup> and R<sup>11</sup> are R811-7,
                  a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-1 and R<sup>8</sup> and R<sup>11</sup> are R811-8,
                  a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-1 and R<sup>8</sup> and R<sup>11</sup> are R811-9,
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                  a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-1 and R<sup>8</sup> and R<sup>11</sup> are R811-10,
                  a compound wherein R4 and R5 are R45-1 and R8 and R11 are R811-11,
                  a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-1 and R<sup>8</sup> and R<sup>11</sup> are R811-12,
                  a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-2 and R<sup>8</sup> and R<sup>11</sup> are R811-3,
                  a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-2 and R<sup>8</sup> and R<sup>11</sup> are R811-4,
55
                  a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-2 and R<sup>8</sup> and R<sup>11</sup> are R811-5,
                  a compound wherein {\rm R}^4 and {\rm R}^5 are R45-2 and {\rm R}^8 and {\rm R}^{11} are R811-6,
                  a compound wherein R4 and R5 are R45-2 and R8 and R11 are R811-7,
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a compound wherein {\rm R}^4 and {\rm R}^5 are R45-2 and {\rm R}^8 and {\rm R}^{11} are R811-8.
                      a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-2 and R<sup>8</sup> and R<sup>11</sup> are R811-9,
                      a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-2 and R<sup>8</sup> and R<sup>11</sup> are R811-10.
                      a compound wherein R4 and R5 are R45-2 and R8 and R11 are R811-11,
                      a compound wherein R4 and R5 are R45-2 and R8 and R11 are R811-12,
5
                      a compound wherein R4 and R5 are R45-3 and R8 and R11 are R811-1,
                      a compound wherein R4 and R5 are R45-3 and R8 and R11 are R811-2.
                      a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-3 and R<sup>8</sup> and R<sup>11</sup> are R811-3.
                      a compound wherein R4 and R5 are R45-3 and R8 and R11 are R811-4,
                      a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-3 and R<sup>8</sup> and R<sup>11</sup> are R811-5,
10
                      a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-3 and R<sup>8</sup> and R<sup>11</sup> are R811-6,
                      a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-3 and R<sup>8</sup> and R<sup>11</sup> are R811-7,
                      a compound wherein R^4 and R^5 are R45-3 and R^8 and R^{11} are R811-8,
                      a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-3 and R<sup>8</sup> and R<sup>11</sup> are R811-9,
                      a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-3 and R<sup>8</sup> and R<sup>11</sup> are R811-10,
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                     a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-3 and R<sup>8</sup> and R<sup>11</sup> are R811-11, a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-3 and R<sup>8</sup> and R<sup>11</sup> are R811-12, a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-4 and R<sup>8</sup> and R<sup>11</sup> are R811-1,
                      a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-4 and R<sup>8</sup> and R<sup>11</sup> are R811-2,
                      a compound wherein R4 and R5 are R45-4 and R8 and R11 are R811-3,
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                      a compound wherein R4 and R5 are R45-4 and R8 and R11 are R811-4,
                      a compound wherein R4 and R5 are R45-4 and R8 and R11 are R811-5,
                      a compound wherein R4 and R5 are R45-4 and R8 and R11 are R811-6,
                      a compound wherein R4 and R5 are R45-4 and R8 and R11 are R811-7,
                      a compound wherein R4 and R5 are R45-4 and R8 and R11 are R811-8.
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                      a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-4 and R<sup>8</sup> and R<sup>11</sup> are R811-9,
                      a compound wherein R4 and R5 are R45-4 and R8 and R11 are R811-10,
                      a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-4 and R<sup>8</sup> and R<sup>11</sup> are R811-11,
                      a compound wherein R4 and R5 are R45-4 and R8 and R11 are R811-12,
                      a compound wherein R4 and R5 are R45-5 and R8 and R11 are R811-1,
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                      a compound wherein R4 and R5 are R45-5 and R8 and R11 are R811-2.
                    a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-5 and R<sup>6</sup> and R<sup>11</sup> are R811-2, a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-5 and R<sup>8</sup> and R<sup>11</sup> are R811-3, a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-5 and R<sup>8</sup> and R<sup>11</sup> are R811-4, a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-5 and R<sup>8</sup> and R<sup>11</sup> are R811-5, a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-5 and R<sup>8</sup> and R<sup>11</sup> are R811-6, a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-5 and R<sup>8</sup> and R<sup>11</sup> are R811-7, a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-5 and R<sup>8</sup> and R<sup>11</sup> are R811-8, a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-5 and R<sup>8</sup> and R<sup>11</sup> are R811-10, a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-5 and R<sup>8</sup> and R<sup>11</sup> are R811-11, a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-6 and R<sup>8</sup> and R<sup>11</sup> are R811-12, a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-6 and R<sup>8</sup> and R<sup>11</sup> are R811-12, a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-6 and R<sup>8</sup> and R<sup>11</sup> are R811-12, a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-6 and R<sup>8</sup> and R<sup>11</sup> are R811-12, a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-6 and R<sup>8</sup> and R<sup>11</sup> are R811-3, a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-6 and R<sup>8</sup> and R<sup>11</sup> are R811-3, a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-6 and R<sup>8</sup> and R<sup>11</sup> are R811-6, a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-6 and R<sup>8</sup> and R<sup>11</sup> are R811-7, a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-6 and R<sup>8</sup> and R<sup>11</sup> are R811-7, a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-6 and R<sup>8</sup> and R<sup>11</sup> are R811-8, a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-6 and R<sup>8</sup> and R<sup>11</sup> are R811-9, a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-6 and R<sup>8</sup> and R<sup>11</sup> are R811-10, a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-6 and R<sup>8</sup> and R<sup>11</sup> are R811-10, a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-6 and R<sup>8</sup> and R<sup>11</sup> are R811-11, a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-6 and R<sup>8</sup> and R<sup>11</sup> are R811-11, a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-6 and R<sup>8</sup> and R<sup>11</sup> are R811-11, a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-6 and R<sup>8</sup> and R<sup>11</sup> are R811-11, a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-6 and R<sup>8</sup> and R<sup>11</sup> are R811-11, a compound wherein R<sup>4</sup> and R<sup>5</sup> ar
                      a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-5 and R<sup>8</sup> and R<sup>11</sup> are R811-3,
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                      a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-6 and R<sup>8</sup> and R<sup>11</sup> are R811-12,
                       a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-7 and R<sup>8</sup> and R<sup>11</sup> are R811-1.
                      a compound wherein R4 and R5 are R45-7 and R8 and R11 are R811-2,
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                       a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-7 and R<sup>8</sup> and R<sup>11</sup> are R811-3,
                       a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-7 and R<sup>8</sup> and R<sup>11</sup> are R811-4,
                       a compound wherein R4 and R5 are R45-7 and R8 and R11 are R811-5.
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a compound wherein R4 and R5 are R45-7 and R8 and R11 are R811-6,
            a compound wherein R4 and R5 are R45-7 and R8 and R11 are R811-7,
            a compound wherein R4 and R5 are R45-7 and R8 and R11 are R811-8,
            a compound wherein R4 and R5 are R45-7 and R8 and R11 are R811-9,
            a compound wherein R4 and R5 are R45-7 and R8 and R11 are R811-10,
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            a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-7 and R<sup>8</sup> and R<sup>11</sup> are R811-11,
            a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-7 and R<sup>8</sup> and R<sup>11</sup> are R811-12,
            a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-1, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-4 and R<sup>9</sup> and R<sup>10</sup> are
           a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-1, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-4 and R<sup>9</sup> and R<sup>10</sup> are
10
            a compound wherein R4 and R5 are R45-1, R6 and R7 are R67-1, R8 and R11 are R811-4 and R9 and R10 are
           a compound wherein R^4 and R^5 are R45-1, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-4 and R^9 and R^{10} are
15
           a compound wherein R^4 and R^5 are R45-1, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-7 and R^9 and R^{10} are
           a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-1, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-7 and R<sup>9</sup> and R<sup>10</sup> are
           a compound wherein R^4 and R^5 are R45-1, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-7 and R^9 and R^{10} are
20
           a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-1, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-7 and R<sup>9</sup> and R<sup>10</sup> are
           a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-1, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-10 and R<sup>9</sup> and R<sup>10</sup> are
25
           a compound wherein R^4 and R^5 are R45-1, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-10 and R^9 and R^{10} are
           a compound wherein R^4 and R^5 are R45-1, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-10 and R^9 and R^{10} are
           a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-10 and \mathbb{R}^9 and \mathbb{R}^{10} are
30
           a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-12 and \mathbb{R}^9 and \mathbb{R}^{10} are
           a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-1, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-12 and R<sup>9</sup> and R<sup>10</sup> are
35
           a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-1, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-12 and R<sup>9</sup> and R<sup>10</sup> are
           a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-1, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-12 and R<sup>9</sup> and R<sup>10</sup> are
           a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-2, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-4 and R<sup>9</sup> and R<sup>10</sup> are
40
           a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-2, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-4 and R<sup>9</sup> and R<sup>10</sup> are
           a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-2, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-4 and R<sup>9</sup> and R<sup>10</sup> are
45
            a compound wherein R^4 and R^5 are R45-2, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-4 and R^9 and R^{10} are
           a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-2, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-7 and R<sup>9</sup> and R<sup>10</sup> are
            a compound wherein R^4 and R^5 are R45-2, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-7 and R^9 and R^{10} are
50
            a compound wherein R^4 and R^5 are R45-2, R^6 and R7 are R67-1, R^8 and R^{11} are R811-7 and R^9 and R^{10} are
           a compound wherein R^4 and R^5 are R45-2, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-7 and R^9 and R^{10} are
55
            a compound wherein R4 and R5 are R45-2, R6 and R7 are R67-1, R8 and R11 are R811-10 and R9 and R10 are
            a compound wherein R4 and R5 are R45-2, R6 and R7 are R67-1, R8 and R11 are R811-10 and R9 and R10 are
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	R910-4,
	a compound wherein R ⁴ and R ⁵ are R45-2, R ⁶ and R ⁷ are R67-1, R ⁸ and R ¹¹ are R811-10 and R ⁹ and R ¹⁰ are
	a compound wherein R^4 and R^5 are R45-2, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-10 and R^9 and R^{10} are
5	a compound wherein R^4 and R^5 are R45-2, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-12 and R^9 and R^{10} are
	a compound wherein R^4 and R^5 are R45-2, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-12 and R^9 and R^{10} are
10	a compound wherein R^4 and R^5 are R45-2, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-12 and R^9 and R^{10} are
	a compound wherein R^4 and R^5 are R45-2, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-12 and R^9 and R^{10} are
	a compound wherein R ⁴ and R ⁵ are R45-3, R ⁶ and R ⁷ are R67-1, R ⁸ and R ¹¹ are R811-4 and R ⁹ and R ¹⁰ are
15	R910-3, a compound wherein R ⁴ and R ⁵ are R45-3, R ⁶ and R ⁷ are R67-1, R ⁸ and R ¹¹ are R811-4 and R ⁹ and R ¹⁰ are R910-4,
	a compound wherein R^4 and R^5 are R45-3, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-4 and R^9 and R^{10} are
20	a compound wherein R ⁴ and R ⁵ are R45-3, R ⁶ and R ⁷ are R67-1, R ⁸ and R ¹¹ are R811-4 and R ⁹ and R ¹⁰ are
	a compound wherein R^4 and R^5 are R45-3, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-7 and R^9 and R^{10} are
25	a compound wherein R^4 and R^5 are R45-3, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-7 and R^9 and R^{10} are R910-4,
23	a compound wherein R^4 and R^5 are R45-3, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-7 and R^9 and R^{10} are
	a compound wherein R^4 and R^5 are R45-3, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-7 and R^9 and R^{10} are R910-8,
30	a compound wherein R^4 and R^5 are R45-3, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-10 and R^9 and R^{10} are R910-3,
	a compound wherein R^4 and R^5 are R45-3, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-10 and R^9 and R^{10} are R910-4,
35	a compound wherein R^4 and R^5 are R45-3, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-10 and R^9 and R^{10} are R910-5,
	a compound wherein R^4 and R^5 are R45-3, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-10 and R^9 and R^{10} are R910-8,
	a compound wherein R^4 and R^5 are R45-3, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-12 and R^9 and R^{10} are R910-3,
40	a compound wherein R^4 and R^5 are R45-3, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-12 and R^9 and R^{10} are R910-4,
	a compound wherein R^4 and R^5 are R45-3, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-12 and R^9 and R^{10} are R910-5,
45	a compound wherein R^4 and R^5 are R45-3, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-12 and R^9 and R^{10} are R910-8,
	a compound wherein R^4 and R^5 are R45-4, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-4 and R^9 and R^{10} are R910-3,
	a compound wherein R^4 and R^5 are R45-4, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-4 and R^9 and R^{10} are R910-4,
50	a compound wherein R^4 and R^5 are R45-4, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-4 and R^9 and R^{10} are R910-5,
	a compound wherein R ⁴ and R ⁵ are R45-4, R ⁶ and R ⁷ are R67-1, R ⁸ and R ¹¹ are R811-4 and R ⁹ and R ¹⁰ are R910-8,
55	a compound wherein R^4 and R^5 are R45-4, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-7 and R^9 and R^{10} are R910-3,
	a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-4, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-7 and \mathbb{R}^9 and \mathbb{R}^{10} are R910-4,
	a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-4, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-7 and \mathbb{R}^9 and \mathbb{R}^{10} are

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a compound wherein R4 and R5 are R45-4, R6 and R7 are R67-1, R8 and R11 are R811-7 and R9 and R10 are
          a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-4, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-10 and R<sup>9</sup> and R<sup>10</sup> are
5
          a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-4, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-10 and R<sup>9</sup> and R<sup>10</sup> are
          a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-4, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-10 and R<sup>9</sup> and R<sup>10</sup> are
          a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-4, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-10 and R<sup>9</sup> and R<sup>10</sup> are
10
          a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-4, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-12 and R<sup>9</sup> and R<sup>10</sup> are
          a compound wherein R4 and R5 are R45-4, R6 and R7 are R67-1, R8 and R11 are R811-12 and R9 and R10 are
15
          a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-4, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-12 and R<sup>9</sup> and R<sup>10</sup> are
          a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-4, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-12 and R<sup>9</sup> and R<sup>10</sup> are
          R910-8,
          a compound described in [1] wherein X' is -O-, -NR1-, or -S(O)p- and C ring is an optionally substituted 5-mem-
20
          bered heterocycle which contains one or two hetero atoms.
          a compound wherein R4 and R5 are R45-4 and C ring is C-1,
          a compound wherein R^8 and R^{11} are R811-9, R^9 and R^{10} are R910-7 and C ring is C-1.
          a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-4 and C ring is C-2,
          a compound wherein {\rm R}^8 and {\rm R}^{11} are R811-9, {\rm R}^9 and {\rm R}^{10} are R910-7 and C ring is C-2,
25
          a compound wherein R4 and R5 are R45-4 and C ring is C-4,
          a compound wherein R8 and R11 are R811-9, R9 and R10 are R910-7 and C ring is C-4,
          a compound wherein X, Y, X' and Y' are XY-3 and C ring is C-2,
          a compound wherein X, Y, X' and Y' are XY-3 and C ring is C-3,
          a compound wherein X, Y, X' and Y' are XY-3 and C ring is C-4,
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          a compound wherein X, Y, X' and Y' are XY-3 and C ring is C-6,
          a compound wherein X, Y, X' and Y' are XY-3 and C ring is C-8,
          a compound wherein X, Y, X' and Y' are XY-3 and C ring is C-9,
          a compound wherein X, Y, X' and Y' are XY-4 and C ring is C-2,
          a compound wherein X, Y, X' and Y' are XY-4 and C ring is C-3,
35
          a compound wherein X, Y, X' and Y' are XY-4 and C ring is C-4,
          a compound wherein X, Y, X' and Y' are XY-4 and C ring is C-6,
          a compound wherein X, Y, X' and Y' are XY-4 and C ring is C-8,
          a compound wherein X, Y, X' and Y' are XY-4 and C ring is C-9,
          a compound wherein X, Y, X' and Y' are XY-5 and C ring is C-2,
40
          a compound wherein X, Y, X' and Y' are XY-5 and C ring is C-3,
          a compound wherein X, Y, X' and Y' are XY-5 and C ring is C-4,
          a compound wherein X, Y, X' and Y' are XY-5 and C ring is C-6,
          a compound wherein X, Y, X' and Y' are XY-5 and C ring is C-8,
          a compound wherein X, Y, X' and Y' are XY-5 and C ring is C-9,
45
          a compound wherein X, Y, X' and Y' are XY-6 and C ring is C-2,
          a compound wherein X, Y, X' and Y' are XY-6 and C ring is C-3,
          a compound wherein X, Y, X' and Y' are XY-6 and C ring is C-4,
          a compound wherein X, Y, X' and Y' are XY-6 and C ring is C-6,
          a compound wherein X, Y, X' and Y' are XY-6 and C ring is C-8,
50
          a compound wherein X, Y, X' and Y' are XY-6 and C ring is C-9,
          a compound wherein X, Y, X' and Y' are XY-7 and C ring is C-2.
          a compound wherein X, Y, X' and Y' are XY-7 and C ring is C-3,
          a compound wherein X, Y, X' and Y' are XY-7 and C ring is C-4,
          a compound wherein X, Y, X' and Y are XY-7 and C ring is C-6,
55
          a compound wherein X, Y, X' and Y' are XY-7 and C ring is C-8,
          a compound wherein X, Y, X' and Y' are XY-7 and C ring is C-9,
          a compound wherein X, Y, X' and Y' are XY-8 and C ring is C-2,
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a compound wherein X, Y, X' and Y' are XY-8 and C ring is C-3,
        a compound wherein X, Y, X' and Y' are XY-8 and C ring is C-4,
        a compound wherein X, Y, X' and Y' are XY-8 and C ring is C-6,
        a compound wherein X, Y, X' and Y' are XY-8 and C ring is C-8,
        a compound wherein X, Y, X' and Y' are XY-8 and C ring is C-9,
5
        a compound wherein X, Y, X' and Y' are XY-9 and C ring is C-2,
        a compound wherein X, Y, X' and Y' are XY-9 and C ring is C-3,
        a compound wherein X, Y, X' and Y' are XY-9 and C ring is C-4.
         a compound wherein X, Y, X' and Y' are XY-9 and C ring is C-6,
        a compound wherein X, Y, X' and Y' are XY-9 and C ring is C-8,
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        a compound wherein X, Y, X' and Y' are XY-9 and C ring is C-9,
        a compound wherein X, Y, X' and Y' are XY-10 and C ring is C-2,
         a compound wherein X, Y, X' and Y' are XY-10 and C ring is C-3,
         a compound wherein X, Y, X' and Y' are XY-10 and C ring is C-4,
         a compound wherein X, Y, X' and Y' are XY-10 and C ring is C-6,
15
         a compound wherein X, Y, X' and Y' are XY-10 and C ring is C-8,
         a compound wherein X, Y, X' and Y' are XY-10 and C ring is C-9,
         a compound wherein X, Y, X' and Y' are XY-11 and C ring is C-2,
         a compound wherein X, Y, X' and Y' are XY-11 and C ring is C-3,
         a compound wherein X, Y, X' and Y' are XY-11 and C ring is C-4,
         a compound wherein X, Y, X' and Y' are XY-11 and C ring is C-6,
         a compound wherein X, Y, X' and Y' are XY-11 and C ring is C-8,
         a compound wherein X, Y, X' and Y' are XY-11 and C ring is C-9,
         a compound wherein X, Y, X' and Y' are XY-12 and C ring is C-2,
         a compound wherein X, Y, X' and Y' are XY-12 and C ring is C-3,
25
         a compound wherein X, Y, X' and Y' are XY-12 and C ring is C-4,
         a compound wherein X, Y, X' and Y' are XY-12 and C ring is C-6,
         a compound wherein X, Y, X' and Y' are XY-12 and C ring is C-8,
         a compound wherein X, Y, X' and Y' are XY-12 and C ring is C-9,
         a compound wherein X, Y, X' and Y' are XY-13 and C ring is C-2.
30
         a compound wherein X, Y, X' and Y' are XY-13 and C ring is C-3,
         a compound wherein X, Y, X' and Y' are XY-13 and C ring is C-4,
         a compound wherein X, Y, X' and Y' are XY-13 and C ring is C-6,
         a compound wherein X, Y, X' and Y' are XY-13 and C ring is C-8,
         a compound wherein X, Y, X' and Y' are XY-13 and C ring is C-9,
35
         a compound wherein X, Y, X' and Y' are XY-14 and C ring is C-2,
         a compound wherein X, Y, X' and Y' are XY-14 and C ring is C-3,
         a compound wherein X, Y, X' and Y' are XY-14 and C ring is C-4,
         a compound wherein X, Y, X' and Y' are XY-14 and C ring is C-6,
         a compound wherein X, Y, X' and Y' are XY-14 and C ring is C-8,
40
         a compound wherein X, Y, X' and Y' are XY-14 and C ring is C-9,
         a compound wherein X, Y, X' and Y' are XY-15 and C ring is C-2,
         a compound wherein X, Y, X' and Y' are XY-15 and C ring is C-3,
         a compound wherein X, Y, X' and Y' are XY-15 and C ring is C-4,
         a compound wherein X, Y, X' and Y' are XY-15 and C ring is C-6,
45
         a compound wherein X, Y, X' and Y' are XY-15 and C ring is C-8,
         a compound wherein X, Y, X' and Y' are XY-15 and C ring is C-9,
         a compound wherein X, Y, X' and Y' are XY-16 and C ring is C-2,
         a compound wherein X, Y, X' and Y' are XY-16 and C ring is C-3,
         a compound wherein X, Y, X' and Y' are XY-16 and C ring is C-4,
50
         a compound wherein X, Y, X' and Y' are XY-16 and C ring is C-6,
         a compound wherein X, Y, X' and Y' are XY-16 and C ring is C-8,
         a compound wherein X, Y, X' and Y' are XY-16 and C ring is C-9,
         a compound wherein X, Y, X' and Y' are XY-17 and C ring is C-2,
         a compound wherein X, Y, X' and Y' are XY-17 and C ring is C-3,
55
         a compound wherein X, Y, X' and Y' are XY-17 and C ring is C-4,
         a compound wherein X, Y, X' and Y' are XY-17 and C ring is C-6,
         a compound wherein X, Y, X' and Y' are XY-17 and C ring is C-8,
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a compound wherein X, Y, X' and Y' are XY- 17 and C ring is C-9,
           a compound wherein X, Y, X' and Y' are XY- 18 and C ring is C-2,
           a compound wherein X, Y, X' and Y' are XY-18 and C ring is C-3,
           a compound wherein X, Y, X' and Y' are XY-18 and C ring is C-4,
           a compound wherein X, Y, X' and Y' are XY-18 and C ring is C-6,
5
           a compound wherein X, Y, X' and Y' are XY-18 and C ring is C-8,
           a compound wherein X, Y, X' and Y' are XY-18 and C ring is C-9,
           a compound wherein X, Y, X' and Y' are XY-19 and C ring is C-2,
           a compound wherein X, Y, X' and Y' are XY-19 and C ring is C-3,
           a compound wherein X, Y, X' and Y' are XY-19 and C ring is C-4,
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           a compound wherein X, Y, X' and Y' are XY-19 and C ring is C-6,
           a compound wherein X, Y, X' and Y' are XY-19 and C ring is C-8,
           a compound wherein X, Y, X' and Y' are XY-19 and C ring is C-9,
           a compound wherein X, Y, X' and Y' are XY-20 and C ring is C-2,
           a compound wherein X, Y, X' and Y' are XY-20 and C ring is C-3,
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           a compound wherein X, Y, X' and Y' are XY-20 and C ring is C-4,
           a compound wherein X, Y, X' and Y' are XY-20 and C ring is C-6,
            a compound wherein X, Y, X' and Y' are XY-20 and C ring is C-8,
            a compound wherein X, Y, X' and Y' are XY-20 and C ring is C-9,
           a compound wherein R^4 and R^5 are R45-1, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-4, R^9 and R^{10} are R910-
20
            4, X, Y, X' and Y' are XY-5 and C ring is C-3,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-4, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            4, X, Y, X' and Y' are XY-5 and C ring is C-4,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-4, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            4, X, Y, X' and Y' are XY-5 and C ring is C-6,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-4, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
25
            4, X, Y, X' and Y' are XY-5 and C ring is C-9,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-4, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            4, X, Y, X' and Y' are XY-C and C ring is C-3,
            a compound wherein R^4 and R^5 are R45-1, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-4, R^9 and R^{10} are R910-
30
            4, X, Y, X' and Y' are XY-6 and C ring is C-4,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-4, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            4, X, Y, X' and Y' are XY-6 and C ring is C-6,
            a compound wherein R^4 and R^5 are R45-1, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-4, R^9 and R^{10} are R910-
            4, X, Y, X' and Y' are XY-6 and C ring is C-9,
            a compound wherein R^4 and R^5 are R45-1, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-4, R^9 and R^{10} are R910-
35
            4, X, Y, X' and Y' are XY-9 and C ring is C-3,
            a compound wherein R^4 and R^5 are R45-1, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-4, R^9 and R^{10} are R910-
            4, X, Y, X' and Y' are XY-9 and C ring is C-4,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-4, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
40
            4, X, Y, X' and Y' are XY-9 and C ring is C-6,
            a compound wherein R^4 and R^5 are R45-1, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-4, R^9 and R^{10} are R910-
            4, X, Y, X' and Y' are XY-9 and C ring is C-9,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-4, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            4. X. Y. X' and Y' are XY-17 and C ring is C-3,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-4, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
45
            4, X, Y, X' and Y' are XY-17 and C ring is C-4,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-4, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            4, X, Y, X' and Y' are XY-17 and C ring is C-6,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-4, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
50
            4, X, Y, X' and Y' are XY-17 and C ring is C-9,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-4, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            5, X, Y, X' and Y' are XY-5 and C ring is C-3,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-4, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            5, X, Y, X' and Y' are XY-5 and C ring is C-4,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-4, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
55
            5, X, Y, X' and Y' are XY-5 and C ring is C-6,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-4, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
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5, X, Y, X' and Y' are XY-5 and C ring is C-9,
            a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-1, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-4, R<sup>9</sup> and R<sup>10</sup> are R910-
            5. X. Y. X' and Y' are XY-6 and C ring is C-3,
            a compound wherein R^4 and R^5 are R45-1, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-4, R^9 and R^{10} are R910-
            5. X. Y. X' and Y' are XY-6 and C ring is C-4,
5
            a compound wherein R4 and R5 are R45-1, R6 and R7 are R67-1, R8 and R11 are R811-4, R9 and R10 are R910-
            5. X. Y. X' and Y' are XY-6 and C ring is C-6,
            a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-1, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-4, R<sup>9</sup> and R<sup>10</sup> are R910-
            5, X, Y, X' and Y' are XY-6 and C ring is C-9,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-4, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
10
            5, X, Y, X' and Y' are XY-9 and C ring is C-3,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-4, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            5, X, Y, X' and Y' are XY-9 and C ring is C-4,
            a compound wherein R^4 and R^5 are R45-1, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-4, R^9 and R^{10} are R910-
            5, X, Y, X' and Y' are XY-9 and C ring is C-6,
15
            a compound wherein R4 and R5 are R45-1, R6 and R7 are R67-1, R8 and R11 are R811-4, R9 and R10 are R910-
            5. X. Y. X' and Y' are XY-9 and C ring is C-9,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-4, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            5, X, Y, X' and Y' are XY-17 and C ring is C-3,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-4, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
20
            5, X, Y, X' and Y' are XY-17 and C ring is C-4,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are \mathbb{R}45-1, \mathbb{R}^6 and \mathbb{R}^7 are \mathbb{R}67-1, \mathbb{R}^8 and \mathbb{R}^{11} are \mathbb{R}811-4, \mathbb{R}^9 and \mathbb{R}^{10} are \mathbb{R}910-
            5, X, Y, X' and Y' are XY-17 and C ring is C-6,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-4, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            5, X, Y, X' and Y' are XY-17 and C ring is C-9,
25
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-4, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            7, X, Y, X' and Y' are XY-5 and C ring is C-3,
            a compound wherein R4 and R5 are R45-1, R6 and R7 are R67-1, R8 and R11 are R811-4, R9 and R10 are R910-
            7. X. Y. X' and Y' are XY-5 and C ring is C-4,
            30
            7, X, Y, X' and Y' are XY-5 and C ring is C-6,
            a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-1, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-4, R<sup>9</sup> and R<sup>10</sup> are R910-
            7. X. Y. X' and Y' are XY-5 and C ring is C-9,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-4, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            7, X, Y, X' and Y' are XY-6 and C ring is C-3,
35
            a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-1, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-4, R<sup>9</sup> and R<sup>10</sup> are R910-
            7, X, Y, X' and Y' are XY-6 and C ring is C-4,
            a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-1, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-4, R<sup>9</sup> and R<sup>10</sup> are R910-
            7, X, Y, X' and Y' are XY-6 and C ring is C-6,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-4, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
40
            7, X, Y, X' and Y' are XY-6 and C ring is C-9
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-4, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            7, X, Y, X' and Y' are XY-9 and C ring is C-3,
            a compound wherein R4 and R5 are R45-1, R6 and R7 are R67-1, R8 and R11 are R811-4, R9 and R10 are R910-
            7, X, Y, X' and Y' are XY-9 and C ring is C-4,
45
            a compound wherein R4 and R5 are R45-1, R6 and R7 are R67-1, R8 and R11 are R811-4, R9 and R10 are R910-
            7, X, Y, X' and Y' are XY-9 and C ring is C-6,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-4, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            7. X. Y. X' and Y' are XY-9 and C ring is C-9,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-4, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
50
            7, X, Y, X' and Y' are XY-17 and C ring is C-3.
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R311-4, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            7, X, Y, X' and Y' are XY-17 and C ring is C-4,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R37-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-4, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            7, X, Y, X' and Y' are XY-17 and C ring is C-6,
55
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-4, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            7, X, Y, X' and Y' are XY-17 and C ring is C-9,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-8, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
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4, X, Y, X' and Y' are XY-5 and C ring is C-3,
           a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-8, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
           4, X, Y, X' and Y' are XY-5 and C ring is C-4,
           a compound wherein \rm R^4 and \rm R^5 are R45-1, \rm R^6 and \rm R^7 are R37-1, \rm R^8 and \rm R^{11} are R811-8, \rm R^9 and \rm R^{10} are R910-
           4, X, Y, X' and Y' are XY-5 and C ring is C-6,
           a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-8, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
5
            4, X, Y, X' and Y' are XY-5 and C ring is C-9,
           a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-8, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            4, X, Y, X' and Y' are XY-6 and C ring is C-3,
            a compound wherein R^4 and R^5 are R45-1, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-8, R^9 and R^{10} are R910-
10
            4, X, Y, X' and Y' are XY-6 and C ring is C-4,
            a compound wherein R^4 and R^5 are R45-1, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-8, R^9 and R^{10} are R910-
            4, X, Y, X' and Y' are XY-6 and C ring is C-6,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-8, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            4. X. Y. X' and Y' are XY-6 and C ring is C-9.
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-8, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
15
            4, X, Y, X' and Y' are XY-9 and C ring is C-4,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-8, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            4, X, Y, X' and Y' are XY-9 and C ring is C-6,
            a compound wherein R^4 and R^5 are R45-1, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-8, R^9 and R^{10} are R910-
20
            4. X, Y, X' and Y' are XY-9 and C ring is C-9,
            a compound wherein R^4 and R^5 are R45-1, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-8, R^9 and R^{10} are R910-
            4, X, Y, X' and Y' are XY-17 and C ring is C-4,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-8, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            4, X, Y, Y' and Y' are XY-17 and C ring is C-6,
            a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-1, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-8, R<sup>9</sup> and R<sup>10</sup> are R910-
25
            4, X, Y, X' and Y' are XY-17 and C ring is C-9,
            a compound wherein R^4 and R^5 are R45-1, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-8, R^9 and R^{10} are R910-
            5, X, Y, X' and Y' are XY-5 and C ring is C-4,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-8, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
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            5, X, Y, X' and Y' are XY-5 and C ring is C-6,
            a compound wherein \rm R^4 and \rm R^5 are R45-1, \rm R^6 and \rm R^7 are R67-1, \rm R^8 and \rm R^{11} are R811-8, \rm R^9 and \rm R^{10} are R910-
            5. X. Y. X' and Y' are XY-5 and C ring is C-9,
            a compound wherein \rm R^4 and \rm R^5 are R45-1, \rm R^6 and \rm R^7 are R67-1, \rm R^8 and \rm R^{11} are R811-8, \rm R^9 and \rm R^{10} are R910-
            5, X, Y, X' and Y' are XY-6 and C ring is C-4,
            a compound wherein \rm R^4 and \rm R^5 are R45-1, \rm R^6 and \rm R^7 are R67-1, \rm R^8 and \rm R^{11} are R811-8, \rm R^9 and \rm R^{10} are R910-.
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            5, X, Y, X' and Y' are XY-6 and C ring is C-6,
            a compound wherein R^4 and R^5 are R45-1, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-8, R^9 and R^{10} are R910-
            5, X, Y, X' and Y' are XY-6 and C ring is C-9,
            a compound wherein \rm R^4 and \rm R^5 are R45-1, \rm R^6 and \rm R^7 are R67-1, \rm R^8 and \rm R^{11} are R811-8, \rm R^9 and \rm R^{10} are R910-
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            5, X, Y, X' and Y' are XY-9 and C ring is C-4,
            a compound wherein \rm R^4 and \rm R^5 are R45-1, \rm R^6 and \rm R^7 are R67-1, \rm R^8 and \rm R^{11} are R811-8, \rm R^9 and \rm R^{10} are R910-
            5. X. Y. X' and Y' are XY-9 and C ring is C-6,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-8, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            5, X, Y, X' and Y' are XY-9 and C ring is C-9,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-8, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
45
            5, X, Y, X' and Y' are XY-17 and C ring is C-4,
            a compound wherein R^4 and R^5 are R45-1, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-8, R^9 and R^{10} are R910-
            5, X, Y, X' and Y' are XY-17 and C ring is C-6,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-8, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
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            5, X, Y', X' and Y' are XY-17 and C ring is C-9,
            a compound wherein R^4 and R^5 are R45-1, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-8, R^9 and R^{10} are R910-
            7, X, Y, X' and Y' are XY-5 and C ring is C-4,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-8, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            7. X. Y. X' and Y' are XY-5 and C ring is C-6,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-8, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
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            7, X, Y, X' and Y' are XY-5 and C ring is C-9,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-8, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
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7, X, Y, X' and Y' are XY-6 and C ring is C-4,
           a compound wherein R^4 and R^5 are R45-1, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-8, R^9 and R^{10} are R910-10.
            7, X, Y, X' and Y' are XY-6 and C ring is C-6,
            a compound wherein R^4 and R^5 are R45-1, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-8, R^9 and R^{10} are R910-
            7, X, Y, X' and Y' are XY-6 and C ring is C-9,
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            a compound wherein R^4 and R^5 are R45-1, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-8, R^9 and R^{10} are R910-
            7, X, Y, X' and Y' are XY-9 and C ring is C-4,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-8, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            7. X. Y. X' and Y' are XY-9 and C ring is C-6,
            a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-1, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-8, R<sup>9</sup> and R<sup>10</sup> are R910-
10
            7, X, Y, X' and Y' are XY-9 and C ring is C-9,
            a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-1, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-8, R<sup>9</sup> and R<sup>10</sup> are R910-
            7, X, Y, X' and Y' are XY-17 and C ring is C-4,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are \mathbb{R}^45-1, \mathbb{R}^6 and \mathbb{R}^7 are \mathbb{R}^6 and \mathbb{R}^{11} are \mathbb{R}^{11} are \mathbb{R}^{11} are \mathbb{R}^{10} are \mathbb{R}^{10} are \mathbb{R}^{10}
            7, X, Y, X' and Y' are XY-17 and C ring is C-6,
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            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-8, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            7, X, Y, X' and Y' are XY-17 and C ring is C-9,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-10, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            4, X, Y, X' and Y' are XY-5 and C ring is C-4,
            a compound wherein R4 and R5 are R45-1, R6 and R7 are R67-1, R8 and R11 are R811-10, R9 and R10 are R910-
20
            4. X. Y. X' and Y' are XY-5 and C ring is C-6,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-10, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            4, X, Y, X' and Y' are XY-5 and C ring is C-9,
            a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-1, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-10, R<sup>9</sup> and R<sup>10</sup> are R910-
            4, X, Y, X' and Y' are XY-6 and C ring is C-4,
25
            a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-1, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-10, R<sup>9</sup> and R<sup>10</sup> are R910-
            4, X, Y, X' and Y' are XY-6 and C ring is C-6,
            a compound wherein R^4 and R^5 are R45-1, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-10, R^9 and R^{10} are R910-
            4, X, Y, X' and Y' are XY-6 and C ring is C-9,
            a compound wherein R4 and R5 are R45-1, R6 and R7 are R67-1, R8 and R11 are R811-10, R9 and R10 are R910-
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            4, X, Y, X' and Y' are XY-9 and C ring is C-4,
            a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-1, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-10, R<sup>9</sup> and R<sup>10</sup> are R910-
            4, X, Y, X' and Y' are XY-9 and C ring is C-6,
            a compound wherein R4 and R5 are R45-1, R6 and R7 are R67-1, R8 and R11 are R811-10, R9 and R10 are R910-
            4, X, Y, X' and Y' are XY-9 and C ring is C-9,
35
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-10, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            4, X, Y, X' and Y' are XY-17 and C ring is C-4,
            a compound wherein R4 and R5 are R45-1, R6 and R7 are R67-1, R8 and R11 are R811-10, R9 and R10 are R910-
            4, X, Y, X' and Y' are XY-17 and C ring is C-6,
            a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-1, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-10, R<sup>9</sup> and R<sup>10</sup> are R910-
40
            4, X, Y, X' and Y' are XY-17 and C ring is C-9,
            a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-1, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-10, R<sup>9</sup> and R<sup>10</sup> are R910-
            5, X, Y, X' and Y' are XY-5 and C ring is C-4,
            a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-1, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-10, R<sup>9</sup> and R<sup>10</sup> are R910-
            5, X, Y, X' and Y' are XY-5 and C ring is C-6,
45
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are \mathbb{R}45-1, \mathbb{R}^6 and \mathbb{R}^7 are \mathbb{R}67-1, \mathbb{R}^8 and \mathbb{R}^{11} are \mathbb{R}811-10, \mathbb{R}^9 and \mathbb{R}^{10} are \mathbb{R}910-10.
            5, X, Y, X' and Y' are XY-5 and C ring is C-9,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-10, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            5, X, Y, X' and Y' are XY-6 and C ring is C-4,
            a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-1, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-10, R<sup>9</sup> and R<sup>10</sup> are R910-
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            5, X, Y, X' and Y' are XY-6 and C ring is C-6,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-10, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            5, X, Y, X' and Y' are XY-6 and C ring is C-9,
            a compound wherein R^4 and R^5 are R45-1, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-10, R^9 and R^{10} are R910-
            5, X, Y, X' and Y' are XY-9 and C ring is C-4,
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            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-10, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            5, X, Y, X' and Y' are XY-9 and C ring is C-6,
            a compound wherein R4 and R5 are R45-1, R6 and R7 are R67-1, R8 and R11 are R811-10, R9 and R10 are R910-
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5, X, Y, X' and Y' are XY-9 and C ring is C-9,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-10, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            5, X, Y, X' and Y' are XY-17 and C ring is C-4,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-10, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            5, X, Y, X' and Y' are XY-17 and C ring is C-6
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-10, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
5
            5, X, Y, X' and Y' are XY-17 and C ring is C-9,
            a compound wherein R^4 and R^5 are R45-1, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-10, R^9 and R^{10} are R910-
            7, X, Y, X' and Y' are XY-5 and C ring is C-4,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-10, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
10
            7. X. Y. X' and Y' are XY-5 and C ring is C-6,
            a compound wherein R^4 and R^5 are R45-1, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-10, R^9 and R^{10} are R910-
            7. X, Y, X' and Y' are XY-5 and C ring is C-9,
            a compound wherein R^4 and R^5 are R45-1, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-10, R^9 and R^{10} are R910-
            7. X. Y. X' and Y' are XY-6 and C ring is C-4,
            a compound wherein R^4 and R^5 are R45-1, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-10, R^9 and R^{10} are R910-
15
            7, X, Y, X' and Y' are XY-6 and C ring is C-6,
            a compound wherein R^4 and R^5 are R45-1, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-10, R^9 and R^{10} are R910-
            7, X, Y, X' and Y' are XY-6 and C ring is C-9,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-10, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
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            7, X, Y, X' and Y' are XY-9 and C ring is C-4,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-10, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            7, X, Y, X' and Y' are XY-9 and C ring is C-6,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-10, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            7, X. Y, X' and Y' are XY-9 and C ring is C-9,
25
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-10, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            7. X. Y. X' and Y' are XY-17 and C ring is C-4,
            a compound wherein R^4 and R^5 are R45-1, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-10, R^9 and R^{10} are R910-
            7, X, Y, X' and Y' are XY-17 and C ring is C-6,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-10, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
30
            7, X, Y, X' and Y' are XY-17 and C ring is C-9,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-3, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-4, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            4, X, Y, X' and Y' are XY-5 and C ring is C-4,
            a compound wherein R^4 and R^5 are R45-3, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-4, R^9 and R^{10} are R910-
            4, X, Y, X' and Y' are XY-5 and C ring is C-6,
35
            a compound wherein \rm R^4 and \rm R^5 are R45-3, \rm R^6 and \rm R^7 are R67-1, \rm R^8 and \rm R^{11} are R811-4, \rm R^9 and \rm R^{10} are R910-
            4, X, Y, X' and Y' are XY-5 and C ring is C-9,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-3, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-4, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            4, X, Y, X' and Y' are XY-6 and C ring is C-4,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-3, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-4, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
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            4, X, Y, X' and Y' are XY-6 and C ring is C-6,
            a compound wherein \rm R^4 and \rm R^5 are R45-3, \rm R^6 and \rm R^7 are R67-1, \rm R^8 and \rm R^{11} are R811-4, \rm R^9 and \rm R^{10} are R910-
            4, X, Y, X' and Y' are XY-6 and C ring is C-9,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-3, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-4, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            4, X, Y, X' and Y' are XY-9 and C ring is C-4,
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            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-3, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-4, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            4, X, Y, X' and Y' are XY-9 and C ring is C-6,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-3, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-4, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            4, X, Y, X' and Y' are XY-9 and C ring is C-9,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-3, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-4, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
50
            4, X, Y, X' and Y' are XY-17 and C ring is C-4,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-3, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-4, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            4, X, Y, X' and Y' are XY-17 and C ring is C-6,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-3, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-4, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            4, X, Y, X' and Y' are XY-17 and C ring is C-9,
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            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-3, \mathbb{R}^8 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-4, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
             5, X, Y, X' and Y' are XY-5 and C ring is C-4,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-3, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-4, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
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5, X, Y, X' are XY-5 and C ring is C-6,
             a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-3, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-4, R<sup>9</sup> and R<sup>10</sup> are R910-
            5, X, Y, X' and Y' are XY-5 and C ring is C-9,
             a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-3, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-4, R<sup>9</sup> and R<sup>10</sup> are R910-
            5, X, Y, X' and Y' are XY-6 and C ring is C-4,
5
            a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-3, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-4, R<sup>9</sup> and R<sup>10</sup> are R910-
            5, X, Y, X' and Y' are XY-6 and C ring is C-6,
             a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-3, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-4, R<sup>9</sup> and R<sup>10</sup> are R910-
             5, X, Y, X' and Y' are XY-6 and C ring is C-9,
             a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-3, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-4, R<sup>9</sup> and R<sup>10</sup> are R910-
10
             5. X. Y. X' and Y' are XY-9 and C ring is C-4,
             a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-3, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-4, R<sup>9</sup> and R<sup>10</sup> are R910-
             5, X, Y, X' and Y' are XY-9 and C ring is C-6,
            a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-3, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-4, R<sup>9</sup> and R<sup>10</sup> are R910-
             5, X, Y, X' and Y' are XY-9 and C ring is C-9,
15
            a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-3, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-4, R<sup>9</sup> and R<sup>10</sup> are R910-
             5, X, Y, X' and Y' are XY-17 and C ring is C-4,
             a compound wherein R^4 and R^5 are R^45-3, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-4, R^9 and R^{10} are R910-
             5, X, Y, X' and Y' are XY-17 and C ring is C-6,
             a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-3, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-4, R<sup>9</sup> and R<sup>10</sup> are R910-
20
             5, X, Y, X' and Y' are XY-17 and C ring is C-9,
             a compound wherein R^4 and R^5 are \bar{R}45-3, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-4, R^9 and R^{10} are R910-
             7, X, Y, X' and Y' are XY-5 and C ring is C-4,
             a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-3, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-4, R<sup>9</sup> and R<sup>10</sup> are R910-
             7, X, Y, X' and Y' are XY-5 and C ring is C-6,
25
            a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-3, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-4, R<sup>9</sup> and R<sup>10</sup> are R910-
             7, X, Y, X' and Y' are XY-5 and C ring is C-9,
             a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-3, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-4, R<sup>9</sup> and R<sup>10</sup> are R910-
             7, X, Y, X' and Y' are XY-6 and C ring is C-4,
             a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-3, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-4, R<sup>9</sup> and R<sup>10</sup> are R910-
30
             7, X, Y, X' and Y' are XY-6 and C ring is C-6,
             a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-3, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-4, R<sup>9</sup> and R<sup>10</sup> are R910-
             7, X, Y, X' and Y' are XY-6 and C ring is C-9,
            a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-3, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-4, R<sup>9</sup> and R<sup>10</sup> are R910-
             7, X, Y, X' and Y' are XY-9 and C ring is C-4,
35
            a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-3, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-4, R<sup>9</sup> and R<sup>10</sup> are R910-
             7, X, Y, X' and Y' are XY-9 and C ring is C-6,
            a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-3, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-4, R<sup>9</sup> and R<sup>10</sup> are R910-
             7, X, Y, X' and Y' are XY-9 and C ring is C-9,
            a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-3, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-4, R<sup>9</sup> and R<sup>10</sup> are R910-
40
            7, X, Y, X' and Y' are XY-17 and C ring is C-4,
            a compound wherein R^4 and R^5 are R^45-3, R^6 and R^7 are R^67-1, R^8 and R^{11} are R^811-4, R^9 and R^{10} are R^910-
             7, X, Y, X' and Y' are XY-17 and C ring is C-6,
            a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-3, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-4, R<sup>9</sup> and R<sup>10</sup> are R910-
            7, X, Y, X' and Y' are XY-17 and C ring is C-9,
45
            a compound wherein R^4 and R^5 are R^45-3, R^6 and R^7 are R^67-1, R^8 and R^{11} are R^811-5, R^9 and R^{10} are R^910-
            5, X, Y, X' and Y' are XY-7 and C ring is C-4,
            a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-3, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-8, R<sup>9</sup> and R<sup>10</sup> are R910-
            4, X, Y, X' and Y' are XY-5 and C ring is C-4,
            a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-3, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-8, R<sup>9</sup> and R<sup>10</sup> are R910-
50
            4, X, Y, X' and Y' are XY-5 and C ring is C-6,
            a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-3, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-8, R<sup>9</sup> and R<sup>10</sup> are R910-
            4, X, Y, X' and Y' are XY-5 and C ring is C-9,
            a compound wherein R4 and R5 are R45-3, R6 and R7 are R67-1, R8 and R11 are R811-8, R9 and R10 are R910-
            4, X, Y, X' and Y' are XY-6 and C ring is C-4,
55
            a compound wherein R4 and R5 are R45-3, R6 and R7 are R67-1, R8 and R11 are R811-8, R9 and R10 are R910-
            4, X, Y, X' and Y' are XY-6 and C ring is C-6,
            a compound wherein R4 and R5 are R45-3, R6 and R7 are R67-1, R8 and R11 are R811-8, R9 and R10 are R910-
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4. X. Y. X' and Y' are XY-6 and C ring is C-9,
            a compound wherein R4 and R5 are R45-3, R6 and R7 are R67-1, R8 and R11 are R811-8, R9 and R10 are R910-
            4, X, Y, X' and Y' are XY-9 and C ring is C-4,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-3, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-8, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            4, X, Y, X' and Y' are XY-9 and C ring is C-6,
5
            a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-3, R<sup>5</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-8, R<sup>9</sup> and R<sup>10</sup> are R910-
            4, X, Y, X' and Y' are XY-9 and C ring is C-9,
            a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-3, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-8, R<sup>9</sup> and R<sup>10</sup> are R910-
            4. X. Y. X' and Y' are XY-17 and C ring is C-4,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-3, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-8, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
10
            4, X, Y, X' and Y' are XY-17 and C ring is C-6,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-3, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-8, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            4. X. Y. X' and Y' are XY-17 and C ring is C-9,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-3, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-8, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            5. X. Y. X' and Y' are XY-5 and C ring is C-4,
15
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-3, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-8, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            5, X, Y, X' and Y' are XY-5 and C ring is C-6,
            a compound wherein R^4 and R^5 are R45-3, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-8, R^9 and R^{10} are R910-
            5, X, Y, X' and Y' are XY-5 and C ring is C-9,
            a compound wherein R^4 and R^5 are R45-3, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-8, R^9 and R^{10} are R910-
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            5, X, Y, X' and Y' are XY-6 and C ring is C-4,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-3, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-8, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            5, X, Y, X' and Y' are XY-6 and C ring is C-6,
            a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-3, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-8, R<sup>9</sup> and R<sup>10</sup> are R910-
            5, X, Y, X' and Y' are XY-6 and C ring is C-9,
25
            a compound wherein R^4 and R^5 are R45-3, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-8, R^9 and R^{10} are R910-
            5, X, Y, X' and Y' are XY-9 and C ring is C-4,
            a compound wherein R^4 and R^5 are R45-3, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-8, R^9 and R^{10} are R910-
            5. X. Y. X' and Y' are XY-9 and C ring is C-6,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-3, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-8, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
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            5, X, Y, X' and Y' are XY-9 and C ring is C-9,
            a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-3, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-8, R<sup>9</sup> and R<sup>10</sup> are R91.0-
            5. X. Y. X' and Y' are XY-17 and C ring is C-4,
            a compound wherein R^4 and R^5 are R45-3, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-8, R^9 and R^{10} are R910-
            5, X, Y, X' and Y' are XY-17 and C ring is C-6,
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            a compound wherein R^4 and R^5 are R45-3, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-8, R^9 and R^{10} are R910-
            5, X, Y, X' and Y' are XY-17 and C ring is C-9,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-3, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-8, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            7, X, Y, X' and Y' are XY-5 and C ring is C-4,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-3, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-8, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
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            7, X, Y, X' and Y' are XY-5 and C ring is C-6,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-3, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-8, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            7, X, Y, X' and Y' are XY-5 and C ring is C-9,
            a compound wherein R^4 and R^5 are R45-3, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-8, R^9 and R^{10} are R910-
            7, X, Y, X' and Y' are XY-6 and C ring is C-4,
45
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-3, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-8, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            7, X, Y, X' and Y' are XY-6 and C ring is C-6,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-3, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-8, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            7, X, Y, X' and Y' are XY-6 and C ring is C-9,
            a compound wherein R^4 and R^5 are R45-3, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-8, R^9 and R^{10} are R910-
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            7, X, Y, X' and Y' are XY-9 and C ring is C-4,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are \mathbb{R}^45-3, \mathbb{R}^6 and \mathbb{R}^7 are \mathbb{R}67-1, \mathbb{R}^8 and \mathbb{R}^{11} are \mathbb{R}811-8, \mathbb{R}^9 and \mathbb{R}^{10} are \mathbb{R}910-
            7, X, Y, X' and Y' are XY-9 and C ring is C-6,
            a compound wherein R^4 and R^5 are R45-3, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-8, R^9 and R^{10} are R910-
            7, X, Y, X' and Y' are XY-9 and C ring is C-9,
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            a compound wherein R^4 and R^5 are R45-3, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-8, R^9 and R^{10} are R910-
            7, X, Y, X' and Y' are XY-17 and C ring is C-4,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-3, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-8, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
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7, X, Y, X' and Y' are XY-17 and C ring is C-6,
            a compound wherein R4 and R5 are R45-3, R6 and R7 are R67-1, R8 and R11 are R811-8, R9 and R10 are R910-
            7, X, Y, X' and Y' are XY-17 and C ring is C-9,
            a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-3, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-10, R<sup>9</sup> and R<sup>10</sup> are R910-
            4. X. Y. X' and Y' are XY-5 and C ring is C-4,
5
            a compound wherein R4 and R5 are R45-3, R6 and R7 are R67-1, R8 and R11 are R811-10, R9 and R10 are R910-
            4, X, Y, X' and Y' are XY-5 and C ring is C-6,
            a compound wherein R4 and R5 are R45-3, R6 and R7 are R67-1, R8 and R11 are R811-10, R9 and R10 are R910-
            4, X, Y, X' and Y' are XY-5 and C ring is C-9,
            a compound wherein R4 and R5 are R45-3, R6 and R7 are R67-1, R8 and R11 are R811-10, R9 and R10 are R910-
10
            4, X, Y, X' and Y' are XY-6 and C ring is C-4,
            a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-3, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-10, R<sup>9</sup> and R<sup>10</sup> are R910-
            4, X, Y, X' and Y' are XY-6 and C ring is C-6,
            a compound wherein R4 and R5 are R45-3, R6 and R7 are R67-1, R8 and R11 are R811-10, R9 and R10 are R910-
            4, X, Y, X' and Y' are XY-6 and C ring is C-9,
15
            a compound wherein R4 and R5 are R45-3, R6 and R7 are R67-1, R8 and R11 are R811-10, R9 and R10 are R910-
            4, X, Y, X' and Y' are XY-9 and C ring is C-4,
            a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-3, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-10, R<sup>9</sup> and R<sup>10</sup> are R910-
            4, X, Y, X' and Y' are XY-9 and C ring is C-6,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-3, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-10, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
20
            4, X, Y, X' and Y' are XY-9 and C ring is C-9,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-3, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-10, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            4, X, Y, X' and Y' are XY-17 and C ring is C-4,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are \mathbb{R}^45-3, \mathbb{R}^6 and \mathbb{R}^7 are \mathbb{R}^67-1, \mathbb{R}^8 and \mathbb{R}^{11} are \mathbb{R}^811-10, \mathbb{R}^9 and \mathbb{R}^{10} are \mathbb{R}^910-10-10.
            4, X, Y, X' and Y' are XY-17 and C ring is C-6,
25
            a compound wherein R4 and R5 are R45-3, R6 and R7 are R67-1, R8 and R11 are R811-10, R9 and R10 are R910-
            4, X, Y, X' and Y' are XY-17 and C ring is C-9,
            a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-3, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-10, R<sup>9</sup> and R<sup>10</sup> are R910-
            5. X. Y. X' and Y' are XY-5 and C ring is C-4,
            a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-3, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-10, R<sup>9</sup> and R<sup>10</sup> are R910-
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            5, X, Y, X' and Y' are XY-5 and C ring is C-6.
            a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-3, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-10, R<sup>9</sup> and R<sup>10</sup> are R910-
            5, X, Y, X' and Y' are XY-5 and C ring is C-9,
            a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-3, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-10, R<sup>9</sup> and R<sup>10</sup> are R910-
            5, X, Y, X' and Y' are XY-6 and C ring is C-4,
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            a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-3, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-10, R<sup>9</sup> and R<sup>10</sup> are R910-
            5, X, Y, X' and Y' are XY-6 and C ring is C-6,
            a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-3, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-10, R<sup>9</sup> and R<sup>10</sup> are R910-
            5, X, Y, X' and Y' are XY-6 and C ring is C-9,
            a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-3, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-10, R<sup>9</sup> and R<sup>10</sup> are R910-
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            5, X, Y, X' and Y' are XY-9 and C ring is C-4,
            a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-3, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-10, R<sup>9</sup> and R<sup>10</sup> are R910-
            5, X, Y, X' and Y' are XY-9 and C ring is C-6,
            a compound wherein R4 and R5 are R45-3, R6 and R7 are R67-1, R8 and R11 are R811-10, R9 and R10 are R910-
            5, X, Y, X' and Y' are XY-9 and C ring is C-9,
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            a compound wherein R4 and R5 are R45-3, R6 and R7 are R67-1, R8 and R11 are R811-10, R9 and R10 are R910-
            5, X, Y, X' and Y' are XY-17 and C ring is C-4,
            a compound wherein R4 and R5 are R45-3, R6 and R7 are R67-1, R8 and R11 are R811-10, R9 and R10 are R910-
            5. X. Y. X' and Y' are XY-17 and C ring is C-6,
            a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-3, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>8</sup> and R<sup>11</sup> are R811-10, R<sup>9</sup> and R<sup>10</sup> are R910-
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            5, X, Y, X' and Y' are XY-17 and C ring is C-9.
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-3, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-10, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            5, X, Y, X' and Y' are XY-20 and C ring is C-4,
            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are \mathbb{R}^45-3, \mathbb{R}^6 and \mathbb{R}^7 are \mathbb{R}^67-1, \mathbb{R}^8 and \mathbb{R}^{11} are \mathbb{R}^811-10, \mathbb{R}^9 and \mathbb{R}^{10} are \mathbb{R}^910-10.
            5, X, Y, X' and Y' are XY-20 and C ring is C-6,
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            a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are \mathbb{R}^45-3, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-10, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
            5, X, Y, X' and Y' are XY-20 and C ring is C-9,
            a compound wherein R^4 and R^5 are \bar{R}^45-3, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-10, R^9 and R^{10} are R910-
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	7, X, Y, X' and Y' are XY-5 and C ring is C-4, a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-3, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-10, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
	7, X, Y, X' and Y' are XY-5 and C ring is C-6, a compound wherein R ⁴ and R ⁵ are R45-3, R ⁶ and R ⁷ are R67-1, R ⁸ and R ¹¹ are R811-10, R ⁹ and R ¹⁰ are R910-
:	7, X, Y, X' and Y' are XY-5 and C ring is C-9, a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-3, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-10, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
	7, X, Y, X' and Y' are XY-6 and C ring is C-4, a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-3, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-10, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
	7, X, Y, X' and Y' are XY-6 and C ring is C-6, a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-3, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-10, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
0	7 V V V' and V' are YV-6 and C ring is C-9
	a compound wherein R ⁴ and R ⁵ are R45-3, R ⁶ and R ⁷ are R67-1, R ⁸ and R ¹¹ are R811-10, R ⁹ and R ¹⁰ are R910-7, X, Y, X' and Y' are XY-9 and C ring is C-4,
	a compound wherein R ⁴ and R ⁵ are R45-3, R ⁶ and R ⁷ are R67-1, R ⁸ and R ¹¹ are R811-10, R ⁹ and R ¹⁰ are R910-
5	7, X, Y, X' and Y' are XY-9 and C ring is C-6, a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-3, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-10, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
	7, X, Y, X' and Y' are XY-9 and C ring is C-9, a compound wherein R ⁴ and R ⁵ are R45-3, R ⁶ and R ⁷ are R67-1, R ⁸ and R ¹¹ are R811-10, R ⁹ and R ¹⁰ are R910-
	7, X, Y, X' and Y' are XY-17 and C ring is C-4, a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-3, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-10, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
0	7 Y Y Y' and Y' are XY-17 and C ring is C-4
	a compound wherein R^4 and R^5 are R45-3, R^6 and R^7 are R67-1, R^8 and R^{11} are R811-10, R^9 and R^{10} are R910-7, X, Y, X' and Y' are XY-17 and C ring is C-6,
_	a compound wherein R ⁴ and R ⁵ are R45-3, R ⁶ and R ⁷ are R67-1, R ⁸ and R ¹¹ are R811-10, R ⁹ and R ¹⁰ are R910-7, X, Y, X' and Y' are XY-17 and C ring is C-9,
5	a compound wherein R ⁴ and R ⁵ are R45-3, R ⁶ and R ⁷ are R67-1, R ⁸ and R ¹¹ are R811-10, R ⁹ and R ¹⁰ are R910-
	7, X, Y, X' and Y' are XY-20 and C ring is C-4, a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-3, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^8 and \mathbb{R}^{11} are R811-10, \mathbb{R}^9 and \mathbb{R}^{10} are R910-
ю	7, X, Y, X' and Y' are XY-20 and C ring is C-6, a compound wherein R ⁴ and R ⁵ are R45-3, R ⁶ and R ⁷ are R67-1, R ⁸ and R ¹¹ are R811-10, R ⁹ and R ¹⁰ are R910-
	7, X, Y, X' and Y' are XY-20 and C ring is C-9, a compound wherein X' is -O-, -NR ¹ - or -S(O)p- and C ring is an optionally substituted 5-membered heterocycle
	which contains one or two hetero atoms, a compound wherein C ring is pyridine ring, one of -X-Y and -X'-Y' is 1-pyrolidinyl, 1-piperidinyl, 4-morphorinyl, 4-
5	thiomorpholinyl, optionally substituted 1-piperadinyl (wherein the substituents are lower alkyl or lower alkenyl) or
	optionally substituted 1-pyrolyl (wherein the substituents are lower alkyl), and the other is - NHCH ₂ CH=CMe ₂ , - OCH ₂ CH=CMe ₂ or -SCH ₂ CH=CMe ₂ ,
	a compound wherein C ring is pyridine ring, one of -XY and -X'-Y' is 1-pyrolidinyl, optionally substituted 1-pyrolyl (wherein the substituents are lower alkyl), and the other is -NHCH ₂ CH=CMe ₂ , -OCH ₂ CH=CMe ₂ or -
0	SCH ₂ CH=CMe ₂ , salt or hydrate thereof.
	Another emporiment of the present invention is

Another embodiment of the present invention is [2] a compound of the formula:

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wherein each symbol is the same as defined in the above [1], [3] a compound of the formula (la'):

$$R^{13}$$
 R^{12} R^{5} R^{4} R^{7} R^{6} R^{14} R^{14} R^{15} R^{14} R^{14} R^{15} R^{14} R^{15} R^{15

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wherein B ring is optionally substituted 5- or 6-membered heterocycle which contains one or two hetero atoms (wherein the substituent is halogen, hydroxy, optionally substituted lower alkyl, optionally substituted lower alkoxy, optionally substituted lower alkenyl, optionally substituted acyloxy, carboxy, optionally substituted lower alkoxycarbonyl, optionally substituted lower alkenyloxycarbonyl, optionally substituted lower alkenylthio, optionally substituted amino. guanidino, nitro, optionally substituted lower alkylsulfonyloxy, optionally substituted arylsulfonyl or optionally substituted arylsulfonyloxy, excluding a compound wherein B ring is substituted with only halogen(s)) and W² represents a bond when B ring is 5-membered heterocycle,

X, X', Y and Y' are the same defined in [1],

R¹, taken together with Y or Y', may form -(CH₂)m-, -(CH₂)₂-Q-(CH₂)₂- (wherein Q is CH₂, O, S or NR'), -CR'=CH-CH=CR'-, -CH=N-CH=CH-, -N=CH-N=CH-, -C(=O)-O(CH₂)n-, -C(=O)-NR'-(CH₂)n- or -C(=O)-NR'-N=CH- wherein m is 4 or 5, n is 2 or 3, R' is hydrogen, lower alkyl or lower alkenyl,

Y may be optionally substituted lower alkoxy when X is -CH2-,

Y' may be optionally substituted lower alkoxy when X' is -CH2-,

Y may be optionally substituted lower alkoxycarbonyl, optionally substituted lower alkylsulfonyl or optionally substituted arylsulfonyl when X is -O- or -NR¹-,

Y' may be optionally substituted lower alkoxycarbonyl, optionally substituted lower alkylsulfonyl or optionally substituted arylsulfonyl when X' is -O- or -NR¹-,

Y may be hydrogen or halogen when X is -CH₂- or -NR¹-,

Y' may be hydrogen or halogen when X' is -CH₂- or -NR¹-,

R⁴, R⁵, R⁶, R⁷, R¹², R¹³, R¹⁴ and R¹⁵ are each independently hydrogen, halogen, hydroxy, optionally substituted lower alkyl, optionally substituted lower alkoxy, optionally substituted lower alkenyl, optionally substituted alkenyloxy, optionally substituted lower alkoxycarbonyl, optionally substituted lower alkenyloxycarbonyl, optionally substituted lower alkylthio, optionally substituted lower alkenylthio, optionally substituted amino, optionally substituted carbamoyl, guanidino, nitro, optionally substituted lower alkylsulfonyl, optionally substituted lower alkylsulfonyl, optionally substituted lower alkylsulfonyl, optionally substituted arylsulfonyl or optionally substituted arylsulfonyloxy.

excluding

- (i) a compound wherein Y and Y' are simultaneously hydrogen,
- (ii) a compound wherein at least one of Y and Y' is optionally substituted acyl,
- (iii) a compound wherein at least one of -X-Y and -X'-Y' is unsubstituted lower alkoxy, and
- (iv) a compound wherein -X-Y and -X'-Y' are simultaneously optionally substituted lower alkoxy or amino substituted with phenyl.

salt or hydrate thereof.

The following compounds of (la'), salt or hydrate thereof are more preferable.

a compound wherein R4 and R5 are R45-1,

a compound wherein R4 and R5 are R45-2,

a compound wherein R4 and R5 are R45-3,

a compound wherein R4 and R5 are R45-4,

a compound wherein R4 and R5 are R45-5,

a compound wherein R4 and R5 are R45-6,

a compound wherein R4 and R5 are R45-7,

a compound wherein R6 and R7 are R67-1,

a compound wherein R6 and R7 are R67-2,

a compound wherein B ring is 5-or 6-membered heterocycle which contains at least one N atom (hereinafter

referred to as "B ring is B-1"),

a compound wherein B ring is a 6-membered heterocycle which contains at least one N atom (hereinafter referred to as "B ring is B-2"),

a compound wherein B ring is optionally substituted pyridine, optionally substituted pyrimidine, optionally substituted pyridazine or optionally substituted pyrazine (hereinafter referred to as "B ring is B-3"),

a compound wherein B ring is optionally substituted pyridine or optionally substituted pyrimidine (hereinafter referred to as "B ring is B-4"),

a compound wherein B ring is optionally substituted pyridine or optionally substituted pyrimidine (wherein the substituents are optionally substituted lower alkyl or optionally substituted lower alkoxy) (hereinafter referred to as "B ring is B-5").

a compound wherein B ring is optionally substituted pyridine wherein "B ring is B-6"), a compound wherein B ring is

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wherein G is CH or N, R⁸ and R¹¹ are each independently halogen, hydroxy, optionally substituted lower alkyl, optionally substituted lower alkenyl, optionally substituted lower alkenyloxy, optionally substituted acyloxy, carboxy or optionally substituted lower alkoxycarbonyl (hereinafter referred to as "B ring is B-7").

a compound wherein R¹², R¹³, R¹⁴ and R¹⁵ are each independently hydrogen, hydroxy, halogen, optionally substituted lower alkoxy, optionally substituted acyloxy, optionally substituted lower alkylsulfonyloxy or optionally substituted arylsulfonyloxy (hereinafter referred to as "R¹², R¹³, R¹⁴, R¹⁵ and R¹⁶ are R12-15-1"),

a compound wherein R¹², R¹³, R¹⁴ and R¹⁵ are each independently hydrogen, hydroxy, halogen, lower alkoxy, acyloxy, optionally substituted lower alkylsulfonyloxy or arylsulfonyloxy (hereinafter referred to as "R¹², R¹³, R¹⁴ and R¹⁵ are R12-15-2"),

a compound wherein R^{12} , R^{13} , R^{14} and R^{15} are each independently hydrogen, halogen or lower alkyl (hereinafter referred to as R^{12} , R^{13} , R^{14} and R^{15} are R12-15-3"),

a compound wherein R¹², R¹³, R¹⁴ and R¹⁵ are each independently hydrogen, chloro or fluoro (hereinafter referred to as R¹², R¹³, R¹⁴ and R¹⁵ are R12-15-4"),

a compound wherein X, Y, X' and Y are XY-1,

a compound wherein X, Y, X' and Y are XY-2,

a compound wherein X. Y. X' and Y are XY-3.

a compound wherein X, Y, X' and Y are XY-4,

a compound wherein X, Y, X' and Y are XY-5,

a compound wherein X, Y, X' and Y are XY-6, a compound wherein X, Y, X' and Y are XY-7,

a compound wherein X, Y, X' and Y are XY-8,

a compound wherein X, Y, X' and Y are XY-9,

a compound wherein X, Y, X' and Y are XY-10,

a compound wherein X, Y, X' and Y are XY-11,

a compound wherein X, Y, X' and Y are XY-12,

a compound wherein X, Y, X' and Y are XY-13,

a compound wherein X, Y, X' and Y are XY-14,

a compound wherein X, Y, X' and Y are XY-15,

a compound wherein X, Y, X' and Y are XY-16,

a compound wherein X, Y, X' and Y are XY-17,

a compound wherein X, Y, X' and Y are XY-18,

a compound wherein X, Y, X' and Y are XY-19,

a compound wherein X, Y, X' and Y are XY-20,

a compound wherein R⁴ and R⁵ are R45-3 and R⁶ and R⁷ are R67-2.

a compound wherein R⁴ and R⁵ are R45-4 and R⁶ and R⁷ are R67-2,

a compound wherein R4 and R5 are R45-4 and B ring is B-1,

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a compound wherein R4 and R5 are R45-4 and B ring is B-2,
             a compound wherein R4 and R5 are R45-4 and B ring is B-4,
             a compound wherein \rm R^4 and \rm R^5 are R45-4 and \rm R^{12}, \rm R^{13}, \rm R^{14} and \rm R^{15} are R12-15-3,
             a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-1, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>12</sup>, R<sup>13</sup>, R<sup>14</sup> and R<sup>15</sup> are R12-15-2, B ring is B-
             3 and X, X', Y and Y' are XY-6,
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             a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^{12}, \mathbb{R}^{13}, \mathbb{R}^{14} and \mathbb{R}^{15} are R12-15-2, B ring is B-
             3 and X, X', Y and Y' are XY-17,
             a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-1, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>12</sup>, R<sup>13</sup>, R<sup>14</sup> and R<sup>15</sup> are R12-15-2, B ring is B-
             5 and X, X', Y and Y' are XY-6,
             a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^{12}, \mathbb{R}^{13}, \mathbb{R}^{14} and \mathbb{R}^{15} are R12-15-2, B ring is B-
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             5 and X, X', Y and Y' are XY-17,
             a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-1, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>12</sup>, R<sup>13</sup>, R<sup>14</sup> and R<sup>15</sup> are R12-15-2, B ring is B-
              7 and X, X', Y and Y are XY-6,
             a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^{12}, \mathbb{R}^{13}, \mathbb{R}^{14} and \mathbb{R}^{15} are R12-15-2, B ring is B-
              7 and X, X', Y and Y' are XY-17,
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             a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^{12}, \mathbb{R}^{13}, \mathbb{R}^{14} and \mathbb{R}^{15} are R12-15-3, B ring is B-
              3 and X, X', Y and Y' are XY-6,
             a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^{12}, \mathbb{R}^{13}, \mathbb{R}^{14} and \mathbb{R}^{15} are R12-15-3, B ring is B-
              3 and X, X', Y and Y' are XY-17,
             a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-1, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>12</sup>, R<sup>13</sup>, R<sup>14</sup> and R<sup>15</sup> are R12-15-3, B ring is B-
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              5 and X, X', Y and Y' are XY-6,
             a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^{12}, \mathbb{R}^{13}, \mathbb{R}^{14} and \mathbb{R}^{15} are R12-15-3, B ring is B-
              5 and X, X', Y and Y' are XY-17,
              a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-1, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>12</sup>, R<sup>13</sup>, R<sup>14</sup> and R<sup>15</sup> are R12-15-3, B ring is B-
              7 and X. X'. Y and Y' are XY-6,
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              a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-1, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>12</sup>, R<sup>13</sup>, R<sup>14</sup> and R<sup>15</sup> are R12-15-3, B ring is B-
              7 and X, X', Y and Y' are XY-17,
             a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-1, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>12</sup>, R<sup>13</sup>, R<sup>14</sup> and R<sup>15</sup> are R12-15-4, B ring is B-
              3 and X, X', Y and Y' are XY-6,
             a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^{12}, \mathbb{R}^{13}, \mathbb{R}^{14} and \mathbb{R}^{15} are R12-15-4, B ring is B-
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              3 and X, X', Y and Y' are XY-17,
             a compound wherein R^4 and R^5 are R45-1, R^6 and R^7 are R67-1, R^{12}, R^{13}, R^{14} and R^{15} are R12-15-4, B ring is B-
              5 and X, X', Y and Y' are XY-6,
             a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^{12}, \mathbb{R}^{13}, \mathbb{R}^{14} and \mathbb{R}^{15} are R12-15-4, B ring is B-
              5 and X, X', Y and Y' are XY-17,
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             a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^{12}, \mathbb{R}^{13}, \mathbb{R}^{14} and \mathbb{R}^{15} are R12-15-4, \mathbb{R}^{19} ring is B-
              7 and X, X', Y' and Y' are XY-6,
              a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-1, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^{12}, \mathbb{R}^{13}, \mathbb{R}^{14} and \mathbb{R}^{15} are R12-15-4, B ring is B-
              7 and X, X', Y and Y' are XY-17,
             a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-3, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^{12}, \mathbb{R}^{13}, \mathbb{R}^{14} and \mathbb{R}^{15} are R12-15-2, B ring is B-
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              3 and X, X', Y and Y' are XY-6,
              a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-3, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^{12}, \mathbb{R}^{13}, \mathbb{R}^{14} and \mathbb{R}^{15} are R12-15-2, B ring is B-
              3 and X, X', Y and Y' are XY-17,
              a compound wherein R<sup>4</sup> and R<sup>5</sup> are R45-3, R<sup>6</sup> and R<sup>7</sup> are R67-1, R<sup>12</sup>, R<sup>13</sup>, R<sup>14</sup> and R<sup>15</sup> are R12-15-3, B ring is B-
              4 and X, X', Y and Y' are XY-6,
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              a compound wherein R4 and R5 are R45-3, R6 and R7 are R67-1, R12, R13, R14 and R15 are R12-15-2, B ring is B-
              5 and X, X', Y and Y' are XY-6,
              a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-3, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^{12}, \mathbb{R}^{13}, \mathbb{R}^{14} and \mathbb{R}^{15} are R12-15-2, B ring is B-
              5 and X, X', Y and Y' are XY-17,
              a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-3, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^{12}, \mathbb{R}^{13}, \mathbb{R}^{14} and \mathbb{R}^{15} are R12-15-2, B ring is B-
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              7 and X, X', Y and Y' are XY-6,
              a compound wherein R4 and R5 are R45-3, R6 and R7 are R67-1, R12, R13, R14 and R15 are R12-15-2, B ring is B-
              7 and X, X', Y and Y' are XY-17,
              a compound wherein R^4 and R^5 are R45-3, R^6 and R^7 are R67-1, R^{12}, R^{13}, R^{14} and R^{15} are R12-15-3, B ring is B-
              3 and X, X', Y and Y' are XY-6,
55
              a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-3, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^{12}, \mathbb{R}^{13}, \mathbb{R}^{14} and \mathbb{R}^{15} are R12-15-3, \mathbb{B} ring is \mathbb{B}^4
              3 and X, X', Y and Y' are XY-17,
              a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-3, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^{12}, \mathbb{R}^{13}, \mathbb{R}^{14} and \mathbb{R}^{15} are R12-15-3, \mathbb{B} ring is B-
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5 and X, X', Y and Y' are XY-5, a compound wherein R⁴ and R⁵ are R45-3, R⁶ and R⁷ are R67-1, R¹², R¹³, R¹⁴ and R¹⁵ are R12-15-3, B ring is B-5 and X. X'. Y and Y' are XY-6, a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-3, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^{12} , \mathbb{R}^{13} , \mathbb{R}^{14} and \mathbb{R}^{15} are R12-15-3, B ring is B-5 and X, X', Y and Y' are XY-7, 5 a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-3, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^{12} , \mathbb{R}^{13} , \mathbb{R}^{14} and \mathbb{R}^{15} are R12-15-3, B ring is B-5 and X, X', Y and Y' are XY-17, a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-3, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^{12} , \mathbb{R}^{13} , \mathbb{R}^{14} and \mathbb{R}^{15} are R12-15-3, B ring is B-7 and X, X', Y and Y' are XY-6, a compound wherein R⁴ and R⁵ are R45-3, R⁶ and R⁷ are R67-1, R¹², R¹³, R¹⁴ and R¹⁵ are R12-15-3, B ring is B-10 7 and X, X', Y and Y' are XY-17, a compound wherein R4 and R5 are R45-3, R6 and R7 are R67-1, R12, R13, R14 and R15 are R12-15-4, B ring is B-3 and X. X'. Y and Y' are XY-6, a compound wherein R⁴ and R⁵ are R45-3, R⁶ and R⁷ are R67-1, R¹², R¹³, R¹⁴ and R¹⁵ are R12-15-4, B ring is B-3 and X, X', Y and Y' are XY-17, 15 a compound wherein R⁴ and R⁵ are R45-3, R⁶ and R⁷ are R67-1, R¹², R¹³, R¹⁴ and R¹⁵ are R12-15-4, B ring is B-5 and X, X', Y and Y' are XY-6, a compound wherein \mathbb{R}^4 and \mathbb{R}^5 are R45-3, \mathbb{R}^6 and \mathbb{R}^7 are R67-1, \mathbb{R}^{12} , \mathbb{R}^{13} , \mathbb{R}^{14} and \mathbb{R}^{15} are R12-15-4, B ring is B-5 and X, X', Y and Y' are XY-17, a compound wherein R^4 and R^5 are R45-3, R^6 and R^7 are R67-1, R^{12} , R^{13} , R^{14} and R^{15} are R12-15-4, B ring is B-20 7 and X, X', Y and Y' are XY-6, a compound wherein R⁴ and R⁵ are R45-3, R⁶ and R⁷ are R67-1, R¹², R¹³, R¹⁴ and R¹⁵ are R12-15-4, B ring is B-7 and X, X', Y and Y' are XY-17, a compound wherein B ring is B-7, X and X' are each independently -O-, -NR1-(wherein R1 is hydrogen, lower alkyl, lower alkenyl or lower alkylcarbonyl) or - S(O)p- wherein p is an integer of 0-2. 25

Another embodiment of the present invention is - [4] a compounds of the formula (If):

wherein one of B ring and C ring is optionally substituted 5- or 8-membered heterocycle which contains one or two hetero atoms and the other is 6-membered heterocycle which contains at least one N atom, excluding a compound wherein every substituent of B ring is selected from cyano and halogen,

X, X', Y, Y' and W^3 are the same as defined in [1] and W^2 is the same as defined in [3],

 R^1 , taken together with Y or Y', may form -(CH₂)m-, -(CH₂)₂-Q-(CH₂)₂- (wherein Q is CH₂, O, S or NR'), -CR'=CH-CH=CR'-, -CH=N=CH-CH-, -N=CH-N=CH-, -C(=O)-O(CH₂)n-, -C(=O)-NR'-(CH₂)n- or -C(=O)-NR'-N=CH- wherein m is 4 or 5, n is 2 or 3 and R' is hydrogen, lower alkyl or lower alkenyl,

Y may be optionally substituted lower alkoxy when X is -CH₂-,

Y' may be optionally substituted lower alkoxy when X' is -CH2-,

Y may be optionally substituted lower alkoxycarbonyl, optionally substituted lower alkylsulfonyl or optionally substituted arylsulfonyl when X is -O- or -NR¹-,

Y' may be optionally substituted lower alkoxycarbonyl, optionally substituted lower alkylsulfonyl or optionally substituted arylsulfonyl when X is -O- or -NR¹-,

Y may be hydrogen or halogen when X is -CH2- or -NR1-,

Y' may be hydrogen or halogen when X' is -CH₂- or -NR¹-,

R⁴, R⁵, R⁶ and R⁷ are the same as defined in [1],

salt or hydrate thereof. The following compounds among the compound (If') are preferable.

a compound wherein B ring is B-2,

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a compound wherein B ring is B-3,

a compound wherein B ring is B-4,

a compound wherein B ring is B-5,

a compound wherein B ring is B-6,

a compound wherein B ring is pyridine which may be substituted with lower alkyl or lower alkoxy,

a compound wherein C ring is C-1,

a compound wherein C ring is C-2,

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a compound wherein C ring is optionally substituted morpholine ring, optionally substituted piperazine ring, optionally substituted imidazole ring, optionally substituted triazole ring or optionally substituted pyridine ring, a compound wherein C ring is optionally substituted morpholine ring, optionally substituted piperazine ring, optionally substituted imidazole ring, optionally substituted triazole ring or optionally substituted pyridine ring (wherein the substituent is lower alkyl, aryl or lower alkenyloxy),

a compound wherein R⁴, R⁵, R⁶ and R⁷ are each independently hydrogen, hydroxy or lower alkylsulfonyloxy, a compound wherein B ring is pyridine ring which may be substituted with lower alkyl or lower alkoxy, C ring is optionally substituted morpholine ring, optionally substituted piperazine ring, optionally substituted imidazole ring, optionally substituted triazole ring or optionally substituted pyridine ring (wherein the substituents are lower alkyl, aryl or lower alkenyloxy) and R⁴, R⁵, R⁶ and R⁷ are each independently hydrogen, hydroxy or lower alkylsulfonyloxy.

Another embodiment of the present invention is [5] a compound of the formula (lg'):

wherein A ring and C ring are each independently optionally substituted 5- or 6-membered ring which contains one or two hetero atoms and W¹ is a bond when A ring is 5-membered heterocycle,

X, X' Y and Y' are the same as defined in [1],

 R^1 , taken together with Y or Y', may form -(CH₂)m-, -(CH₂)₂-Q-(CH₂)₂- (wherein Q is CH₂, O, S or NR'), -CR'=CH-CH=CR'-, -CH=N-CH=CH-, -N=CH-N=CH-, -C(=O)-O(CH₂)n-, -C(=O)-NR'-(CH₂)n- or -C(=O)-NR'-N=CH- wherein m is 4 or 5, n is 2 or 3 and R' is hydrogen, lower alkyl or lower alkenyl,

Y may be optionally substituted lower alkoxy when X is -CH2-,

Y' may be optionally substituted lower alkoxy when X' is -CH2-,

Y may be optionally substituted lower alkoxycarbonyl, optionally substituted lower alkylsulfonyl or optionally substituted arylsulfonyl when X is -O- or -NR¹-,

Y' may be optionally substituted lower alkoxycarbonyl, optionally substituted lower alkylsulfonyl or optionally substituted arylsulfonyl when X' is -O- or -NR¹-,

Y may be hydrogen or halogen when X is -CH₂- or -NR¹-,

Y' may be hydrogen or halogen when X' is -CH2- or -NR1-,

R⁸, R⁹, R¹⁰ and R¹¹ are the same as defined in [1]

excluding a compound wherein all of R8, R9, R10 and R11 are selected from hydrogen and halogen,

salt or hydrate thereof. The following compounds among the compound (lg') are preferable.

a compound wherein at least one of A ring and C ring is a 6-membered ring,

a compound wherein at least one of A ring and C ring is a 6-membered ring which contains N atom,

a compound wherein A ring is optionally substituted pyridine ring,

a compound wherein A ring is unsubstituted pyridine ring,

a compound wherein R8, R9, R10 and R11 are each independently hydrogen, lower alkyl or lower alkoxy,

a compound wherein C ring is optionally substituted pyridine ring, optionally substituted pyrimidine ring or optionally substituted pyrazine ring,

a compound wherein C ring is unsubstituted pyridine ring, unsubstituted pyrimidine ring or unsubstituted pyrazine ring,

a compound wherein -X-Y is lower alkenyloxy or lower alkenylamino,

a compound wherein -X'-Y' is amino which may be substituted with lower alkenyl,

a compound wherein A ring is unsubstituted pyridine ring, R⁸, R⁹, R¹⁰ and R¹¹ are each independently hydrogen, lower alkyl or lower alkoxy, C ring is unsubstituted pyridine ring, unsubstituted pyrimidine ring or unsubstituted pyrazine ring, -X-Y is lower alkenyloxy or lower alkenylamino and -X'-Y' is amino which may be substituted with lower

alkenyl,

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\$1.36.6 1.35 4.35° m

or salt or hydrate thereof.

Other preferable embodiments of the present invention are as follows.

[6] A pharmaceutical composition for use as an immunosuppressant comprising the compound of the formula (lb'):

wherein C ring and W3 are the same as defined in [1],

X and X' are each independently -O-, -CH₂-, -NR¹- (wherein R¹ is hydrogen, optionally substituted lower alkyl, lower alkenyl, lower alkylcarbonyl or optionally substituted lower alkoxycarbonyl), -S(O)p- (wherein p is an integer of 0-2) or a bond, Y and Y' are the same as defined in [1],

 R^1 , taken together with Y or Y', may form -(CH₂)m-, -(CH₂)₂-Q-(CH₂)₂- (wherein Q is CH₂, O, S or NR'), -CR'=CH-CH=CR'-, -CH=N-CH=CH-, -N=CH-N=CH-, -C(=O)-O(CH₂)n-, -C(=O)-NR'-(CH₂)n- or -C(=O)-NR'-N=CH, wherein m is 4 or 5, n is 2 or 3 and R' is hydrogen, lower alkyl or lower alkenyl,

Y may be lower alkoxy when X is -CH₂-,

Y' may be lower alkoxy when X' is -CH2-,

Y may be optionally substituted lower alkoxycarbonyl, optionally substituted tower alkylsulfonyl or optionally substituted arylsulfonyl when X is -O- or -NR¹-,

Y' may be optionally substituted lower alkoxycarbonyl, optionally substituted lower alkylsulfonyl or optionally substituted arylsulfonyl when X' is -O- or -NR¹-,

Y may be hydrogen or halogen when X is -CH₂- or -NR¹-,

Y' may be hydrogen or halogen when X' is -CH₂- or -NR¹-,

Y' may be hydrogen, hydroxy, halogen, nitro or oxo when X' is a bond,

 R^4 , R^5 , R^6 , R^7 , R^8 , R^9 , R^{10} and R^{11} are the same as defined in [1],

excluding a compound wherein all of R⁸, R⁹, R¹⁰ and R¹¹ are selected from hydrogen and halogen. salt or hydrate thereof,

[7] a pharmaceutical composition for use as an immunosuppressant comprising the compound of the formula (la'):

$$Y-X'$$
 A^{13}
 A^{12}
 A^{12}
 A^{13}
 A^{13}
 A^{13}
 A^{13}
 A^{14}
 A^{14}
 A^{15}
 A^{14}
 A^{15}
 A^{14}
 A^{15}
 $A^{$

wherein B ring is optionally substituted 5- or 6-membered heterocycle which contains one or two hetero atoms excluding a compound wherein every substituent of B ring is selected from cyano and halogen,

 $\ensuremath{\mathsf{W}}^2$ is a bond when B ring is 5-membered heterocycle,

X, X', Y and Y' are the same as defined in [3],

 R^1 , taken together with Y or Y', may form -(CH₂)m-, -(CH₂)₂-Q-(CH₂)₂- (wherein Q is CH₂, O, S or NR'), -CR'=CH-CH=CR'-, -CH=N-CH=CH-, -N=CH-N=CH-, -C(=O)-O(CH₂)n-, -C(=O)-NR'-(CH₂)n- or -C(=O)-NR'-N=CH- wherein m is 4 or 5, n is 2 or 3 and R' is hydrogen, lower alkyl or lower alkenyl.

Y may be optionally substituted lower alkoxy when X is -CH₂-,

Y' may be optionally substituted lower alkoxy when X' is -CH2-,

Y may be optionally substituted lower alkoxycarbonyl, optionally substituted lower alkylsulfonyl or optionally substituted arylsulfonyl when X is -O- or -NR¹-,

Y' may be optionally substituted lower alkoxycarbonyl, optionally substituted lower alkylsulfonyl or optionally substituted arylsulfonyl when X' is -O- or -NR¹-, Y may be hydrogen or halogen when X is -CH₂- or -NR¹-, Y' may be hydrogen or halogen when X' is -CH₂- or -NR¹-,

 $\rm R^4,\,R^5,\,R^6,\,R^7,\,R^{12},\,R^{13},\,R^{14}$ and $\rm R^{15}$ are the same as defined in [3], excluding

- (i) a compound wherein -X-Y and -X'-Y' are simultaneously unsubstituted lower alkyl, optionally substituted lower alkoxy or unsubstituted acyloxy,
- (ii) a compound wherein one of -X-Y- and -X'-Y' is methyl and the other is methoxy, and
- (iii) a compound wherein -X'-Y' is hydrogen or halogen and -X-Y is unsubstituted lower alkyl, unsubstituted lower alkylamino,
- 10 salt or hydrate thereof,

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- [8] a pharmaceutical composition for use as an immunosuppressant comprising the compound of the formula (If), salt or hydrate thereof described in [4],
- [9] a pharmaceutical composition for use as an immunosuppressant comprising the compound (Ig'), salt or hydrate thereof described in [5],
- [10] a pharmaceutical composition for use as an antiallergic agent comprising the compound of the formula (If') described in [4], the compound of the formula (Ig') described in [5], the compound of the formula (Ib') described in [6], the compound of the formula (Ia') described in [7], salt, hydrate thereof,
 - [11] a pharmaceutical composition for use as a suppressant of the IgE production comprising the compound of the formula (If') described in [4], the compound of the formula (Ig') described in [5], the compound of the formula (Ib') described in [6], the compound of the formula (Ia') described in [7], salt, or hydrate thereof,
 - [12] Use of the compound of the formula (If') described in [4], the compound of the formula (Ig') described in [5], the compound of the formula (Ib') described in [6], the compound of the formula (Ia') described in [7], salt, or hydrate thereof for manufacturing a medicament for suppressing an immune response, treating and/or preventing allergic diseases,
- [13] a method for suppressing an immune response or treating and/or preventing allergic diseases comprising administering the compound of the formula (If') described in [4], the compound of the formula (Ig') described in [5], the compound of the formula (Ib') described in [6], the compound of the formula (Ia') described in [7], salt, or hydrate thereof
 - [14] a method for treating and/or preventing allergic diseases comprising administering the compound of the formula (If') described in [4], the compound of the formula (Ig') described in [5], the compound of the formula (Ib') described in [6], the compound of the formula (Ia') described in [7], salt, or hydrate thereof.

[0042] The preferable compounds of the present invention are the ones of following structures. The symbols A2, A5, ... B1, B4, ... T1, T2 ... in the tables means as follows.

Table 1

 $A \longrightarrow X - Y = A \longrightarrow X - Y$

	R4	R ⁵	R ⁶	R ⁷	X	Y
A2	H	H	Н	Н	0	CH ₂ -2-furyl
A5	H	Н	H	Н	0	CH ₂ CH=CMe ₂
A35	OMe	Н	H	Н	0	CH ₂ CH=CMe ₂
A37	F	Н	Н	H	0	CH ₂ CH=CMe ₂
A45	H	Н	H	Н	NH	CH ₂ CH=CH ₂
A46	H	Н	H	H	NH	CH ₂ CH=CMe ₂ CH ₂ -c-Hex
A49	H	H	Н	Н	NH	CH ₂ -c-Hex
A54	H	Н	Н	Н	NH	CH ₂ -2-furyl
A66	Н	F	Н	Н	NH	iBu
A67	Н	F	Н	H	NH	CH ₂ CH=CMe ₂
A68	Н	F	Н	`H	NH	cPent
A69	Н	F	H	H	ИН	cHex
A70	Н	F	Н	H	NH	CH ₂ cHex
A76	Н	F	Н	H	N-iPr	SO ₂ NHMe
A77	Н	F	Н	H	NCH2CH=CMe2	SO ₂ NHMe
A78	F	H	H	H	NH	CH ₂ CH=CMe ₂
A106	H	F	H	H	NH	CH ₂ C ₆ H ₅
A110	F	H	H	H	0	CH ₂ C ₆ H ₅

Table 2

B = R³ R³

	R ⁸	R ⁹	R ¹⁰	R11
Bı	OMe	H	H	OMe
B4	Me	Н	н	Me
B7	Me	Me	Me	Me
B8	Me	Me	OMe	Me
B9	Me	Me	OH	Me
B10	Me	Me	Me	OMe_
B12	OMe	Me	Me	OMe
B14	Me	Me	H	Me
B16	Me	F	H	Мe
B17	OMe	H	H	Me
B24	Me	Me	Me	COOMe
B28	Me	Me	Me	Cl
B29	Me	OMe	H	Me
B30	COOMe	Me	Me	Me
B31	Cl	Me	Me	Me
B32	H	Me	Me	Cl
B33	Me	H	Cl	Me
B34	H	Me	Cl	H
B35	Me	H	H	Cl
B36	Me	Me	H	H
B37	H	Me	H	Me
B38	Me	H	Me	H
B39	OMe	OMe	H	H
B40	H	OMe	H	OMe
B41	OMe	H	OMe	H
B42	Н	Me	H	OMe
B43	OMe	H	Me	H

Table 3

W3	c =	Y-X'—	A13 A12	· Y-X	R ¹³ N-	R ¹² Y-X-	N N	7 ¹²	,	- R12
		R ¹²	R ¹³	R ¹⁴	R15	(C)	R ¹²	R ¹³	R ¹⁴	R ¹⁵
	T1-1	H	H	_	Н	T2-4	Н	H	Me	_
	T2-1	Н	Н	Н	_	T2-5	Н	NO_2	Н	
	T2-2	Me	Н	H		T5-1	Н	_	Н	
	T2-3	Н	Me	H	_	T7-1	Н	H	1	1

Table 4

√3° -	-√B W ² B	-\(\sqrt{A}\)-	W3C)-	B	
T1-1	B1	A2	T2-1	B1	A2
T1-1	B1	A5	T2-1	B1	A5
T1-1	B1	A35	T2-1	B1	A35
T1-1	B1	A37	T2-1	B1	A37
T1-1	B1	A45	T2-1	B1	A45
T1-1	B1	A46	T2-1	B1	A46
T1-1	B1	A49	T2-1	B1	A49
T1-1	B1	A54	T2-1	Bı	A54
T1-1	B1	A66	T2-1	B1	A66
T1-1	B1	A67	T2-1	B1	A67
T1-1	B1	A68	T2-1	B1	A68
T1-1	B1	A69	T2-1	B1	A69
T1-1	B1	A70	T2-1	B1	A70
T1-1	B1	A76	T2-1	. B1	A76
T1-1	B1	A77 .	T2-1	B1	A77
T1-1	B1	A78	T2-1	B1	A78
T1-1	B1	A106	T2-1	B1	A106
T1-1	B1	A110	T2-1	BI	A110
T2-2	Bı	A2	T2-3	Bı	A2
T2-2	B1	A5	T2-3	B1	A5
T2-2	B1	A35	T2-3	B1	A35
T2-2	B1	A37	T2-3	B1	A37
T2-2	B1	A45	T2-3	B1	A45
T2-2	B1	A46	T2-3	B1	A46
T2-2	B1	A49	T2-3	B1	A49
T2-2	Bl	A54	T2-3	B1	A54
T2-2	B1	A66	T2-3	B1	A66
T2-2	B1	A67	T2-3	B1	A67

7	Table 5					
[T2-2	Bı	A68	T2-3	B1	A68
5 .	T2-2	B1	A69	T2-3	B1	A69
	T2-2	B1	A70	T2-3	B1	A70
-	T2-2	B1	A76	T2-3	B1	A76
·	T2-2	B1	A77	T2-3	B1	A77
	T2-2	B1	A78	T2-3	B1	A78
10	T2-2	B1	A106	T2-3	B1	A106
	T2-2	B1	A110	T2-3	B1	A110
	T2-4	B1	A2	T2-5	B1	A2
	T2-4	BI	A5	T2-5	B1	A5
15	T2-4	B1	A35	T2-5	B1	A35
	T2-4	B1	A37	T2-5	B1	A37
	T2-4	B1	A45	T2-5	B1	A45
	T2-4	B1	A46	T2-5	B1	A46
	T2-4	Bı	A49	T2-5	B1	A49
20 .	T2-4	B1	A54	T2-5	B1 -	A54
	T2-4	B1	A66	T2-5	B1	A66
	T2-4	Bl	A67	T2-5	B1	A67
	T2-4	B1	A68	T2-5	B1	A68
25	T2-4	B1	A69	T2-5	B1	A69
	T2-4	B1	A70	T2-5	B1	A70
	T2-4	B1	A76	T2-5	B1	A76
	T2-4	B1	A77	T2-5	B1	A77
20	T2-4	B1	A78	T2-5	B1	A78
30	T2-4	Bı	A106	T2-5	B1	A106
	T2-4	B1	A110	T2-5	B1	A110
	T5-1	B1	A2	T7-1	B1	A2
	T5-1	B1	A5	Т7-1	B1	A5
35	T5-1	B1	A35	T7-1	B1	A35 /
	T5-1	B1	A37	T7-1	B1	A37
	T5-1	B1	A45	T7-1	Bl	A45
	T5-1	BI	A46	T7-1	B1	A46
40	T5-1	B1	A49	T7-1	B1	A49
	T5-1	B1	A54	T7-1	B1	A54
	T5-1	B1	A66	<u>T7-1</u>	B1	A66
	T5-1	B1	A67	T7-1	B1	A67
	T5-1	B1	A68	T7-1	B1	A68
45	T5-1	B1	A69	T7-1	B1	.469
	T5-1	B1	A70	T7-1	B1	A70
	T5-1	Bı	A76	T7-1	B1	A76
	T5-1	B1	A77	T7-1	B1	A77
50	T5-1	B1	A78	T7-1	B1	A78
	T5-1	B1	A106	T7-1	B1	A106

Bı

T5-1

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T7-1

A110

В1

A110

Table 6

	T1-1	B4	A2	T2-1	B4	A2
	T1-1	B4	A5	T2-1	B4	A5
	T1-1	B4	A35	T2-1	B4	A35
	T1-1	B4	A37	T2-1	B4	A37
	T1-1	B4	A45	T2-1	B4	A45
	T1-1	B4	A46	T2-1	B4	A46
	T1-1	B4	A49	T2-1	B4	A49
	T1-1	B4	A54	T2-1	B4	A54
	T1-1	B4	A66	T2-1	B4	A66
	T1-1	B4	A67	T2-1	B4	A67
	T1-1	B4	A68	T2-1	B4	A68
	T1-1	B4	A69	T2-1	B4	A69
	T1-1	B4	A70	T2-1	B4	A70
	T1-1	B4	A76	T2-1	B4	A76
	T1-1	B4	A77	T2-1	B4	A77
	T1-1	B4	A78	T2-1	B4	A78
	T1-1	B4	A106	T2-1	B4	A106
	T1-1	B4	A110	T2-1	B4	A110
	T2-2	B4	A2	T2-3	B4	A2
	T2-2	B4	A5	T2-3	B4	A5
	T2-2	B4	A35	T2-3	B4	A35
	T2-2	B4	A37	T2-3	B4	A37
	T2-2	B4	A45	T2-3	B4	A45
	T2-2	B4	A46 -	T2-3	B4	A46
	T2-2	B4	A49	T2-3	B4	A49
	T2-2	B4	A54	T2-3	B4	A54
	T2-2	B4	A66	T2-3	B4	A66
	T2-2	B4	A67	T2-3	B4	A67
	T2-2	B4	A68	T2-3	B4	A68
	T2-2	B4	A69	T2-3	B4	A69
	T2-2	B4	A70	T2-3	B4	A70
	T2-2	B4	A76	T2-3	B4	A76
	T2-2	B4	A77	T2-3	B4	A77
	T2-2	B4	A78	T2-3	B4	A78
	T2-2	B4	A106	T2-3	B4	A106
į	T2-2	B4	A110	T2-3	B4	A110
	T2-4	B4	A2	T2-5	B4	A2
ĺ	T2-4	B4	Að	T2-5	B4	A5
l	T2-4	B4	A35	T2-5	B4	A35
1	T2-4	B4	A37	T2-5	B4	A37
{	T2-4	B4	A45	T2-5	B4	A45
[T2-4	B4	A46	T2-5	B4	.A46
[T2-4	B4	A49	T2-5	B4	A49
{	T2-4	B4	A54	T2-5	B4	A54

Table 7

	Table 1					
	T2-4	B4	A66	T2-5	B4	A66
5	T2-4	B4	A67	T2-5	B4	A67
	T2-4	B4	-A68	T2-5	B4	A68
	T2-4	B4	A69	T2-5	B4	A69
	T2-4	B4	A70	T2-5	B4	A70
	T2-4	B4	A76	T2-5	B4	A76
10	T2-4	B4	A77	T2-5	B4	A77
	T2-4	B4	A78	T2-5	B4	A78
	T2-4	B4	A106	T2-5	B4	A106
	T2-4	B4	A110	T2-5	B4	A110
15	T5-1	B4	A2	T7-1	B4	A2
	T5-1	B4	A5	T7-1	B4	A5
	T5-1	B4	A35	T7-1	B4	A35
	T5-1	B4	A37	T7-1	B4	A37
	T5-1	B4	A45	T7-1	B4	A45
20	T5-1	B4 ·	A46	T7-1	B4	A46
	T5-1	B4	A49	T7-1	B4	A49
•	T5-1	B4	A54	T7-1	B4	A54
	T5-1	B4	A66	T7-1	B4	A66
25	T5-1	B4	A67	T7-1	B4	A67
	T5-1	B4	A68	T7-1	B4	A68
	T5-1	B4	A69	T7-1	B4	A69
	T5-1	B4	A70	T7-1	B4	A70
30	T5-1	B4	A76	T7-1	B4	A76
30	T5-1	B4	A77	T7-1	B4	A77
	T5-1	B4	A78	T7-1	B4	A78
	T5-1	B4	A106	T7-1	B4	A106
	T5-1	B4	A110	T7-1	B4	A110
35	T1-1	B7	A2	T2-1	B7	A2 /
	T1-1	B7	A5	T2-1	B7	A5
	T1-1	B7	A35	T2-1	B7	A35
	T1-1	B7	A37	T2-1	B7	A37
40	T1-1	B7	A45	T2-1	B7	A45
	T1-1	B7	A46	T2-1	B7	A46
	T1-1	B7	A49	T2-1	B7	A49
	T1-1	B7	A54	T2-1	B7	A54
	T1-1	B7	A66	T2-1	B7	.466
45	T1-1	B7	A67	T2-1	B7	A67
	T1-1	B7	A68	T2-1	B7	A68
	T1-1	B7	A69	T2-1	B7	.469
	T1-1	B7	A70	T2-1	B7	A70
50	T1-1	B7	A76	T2-1	B7	A76
	T1-1	B7	A77	T2-1	B7	A77
	T1-1	В7	A78	T2-1	B7	A78

Table 8

(C1 1			il .		
T1-1	B7	A106	T2-1	B7	A106
T1-1	B7	A110	T2-1	B7	A110
T2-2	B7	A2	T2-3	B7	A2
T2-2	B7	Αō	T2-3	B7	A5
T2-2	B7	A35	T2-3	B7	A35
T2-2	B7	A37	T2-3	B7	A37
T2-2	B7	A45	T2-3	B7	A45
T2-2	B7	A46	T2-3	B7	A46
T2-2	B7	A49	T2-3	B7	A49
T2-2	B7	A54	T2-3	B7	A54
T2-2	B7	A66	T2-3	B7	A66
T2-2	B7	A67	T2-3	B7	A67
T2-2	B7	A68	T2-3	B7	A68
T2-2	B7	A69	T2-3	B7	A69
T2-2	B7	A70	T2-3	B7	A70
T2-2	B7	A76	T2-3	B7	A76
T2-2	B7	A77	T2-3	B7	A77
T2-2	B7	A78	T2-3	B7	A78
T2-2	B7	A106	T2-3	B7	A106
T2-2	B7	A110	T2-3	B7	A110
T2-4	B7	A2	T2-5	B7	A2
T2-4	B7	A5	T2-5	B7	A5
T2-4	B7	A35	T2-5	B7	A35
T2-4	B7	A37	T2-5	B7	A37
T2-4	B7	A45	T2-5	B7	A45
T2-4	B7	A46	T2-5	B7	A46
T2-4	B7	A49	T2-5	B7	A49
T2-4	B7	A54	T2-5	B7	A54
T2-4	B7	A66	T2-5	B7	A66
T2-4	B7	A67	T2-5	B7	A67
T2-4	B7	A68	T2-5	B7	A68
T2-4	B7	A69	T2-5	B7	A69
T2-4	B7	A70	T2-5	B7	A70
T2-4	B7	A76	T2-5	B7	A76
T2-4	B7	A77	T2-5	B7	A77
T2-4	B7	A78	T2-5	B7	A78
T2-4	B7	A106	T2-5	B7	A106
T2-4	В7	A110	T2-5	B7	A110
T5-1	B7	A2	T7-1	B7	A2
T5-1	В7 ·	A5	T7-1	B7	Aõ
T5-1	B7	A35	T7-1	B7	A35
T5-1	B7	A37	T7-1_	B7	A37
T5-1	B7 (A45	T7-1	B7	A45

	Table 9					
	T5-1	B7	A46	T7-1	B7	A46
5	T5-1	B7	1 .449	T7-1	B7	A49
	T5-1	B7	A54	T7-1	B7	A54
	T5-1	B7	A66	T7-1	B7	A66
	T5-1	B7	A67	T7-1	B7	A67
	T5-1	B7	A68	T7-1	B7	A68
10	T5-1	B7	A69	T7-1	B7	A69
	T5-1	B7	A70	T7-1	B7	A70
	T5-1	B7	A76	T7-1	B7	A76
	T5-1	B7	A77	T7-1	B7	A77
15	T5-1	B7	A78	T7-1	B7	A78
	T5-1	B7	A106	T7-1	B7	A106
	T5-1	B7	A110	T7-1	B7	A110
	T1-1	B8	A2	T2-1	B8	A2
20	T1-1	B8	A5	T2-1	B8	A5
	T1-1	B8	A35	T2-1	B8	A35
	T1-1	B8	A37	T2-1	B8	A37
	T1.1	B8	A45	T2-1	B8	A45
	T1-1	B8	A46	T2-1	B8	A46
25	T1-1	B8	A49	T2-1	B8	A49
	T1-1	B8	A54	T2-1	B8	A54
	T1-1	B8	A66	T2-1	B8	A66
	T1-1	B8	A67	T2-1	B8	A67
30	T1-1	B8	A68	T2-1	B8	A68
	T1-1	B8	A69	T2-1	B8	A69
	T1-1	B8	A70	T2-1	B8	A70
	T1-1	B8	A76	T2-1	B8	A76
35	T1-1	B8	A77	T2-1	B8	A77
	T1-1	B8	A78	T2-1	B8	A78
	T1-1	B8	A106	T2-1	B8	A106
	T1-1	B8	A110	T2-1	B8	A110
40	T2-2	B8	A2	T2-3	B8	A2
,0	T2-2	B8	A5	T2-3	B8	Aŏ
	T2-2	B8	A35	T2-3	B8	A35
	T2-2	B8	A37	T2-3	B8	A37
	T2-2	B8	A45	T2-3	B8	A45
45	T2-2	B8	A46	T2-3	B8	A46
	T2-2	B8	A49	T2-3	B8	A49
	T2-2	B8	A54	T2-3	B8	A54
	T2-2	B8	A66	T2-3	B8	A66
50	T2-2	B8	A67	T2-3	B8	A67
	T2-2	B8	A68	T2-3	B8	A68
	T2-2	B8	A69	T2-3	B8	A69

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Table 10

Laule 10					
T2-2	B8	A70	T2-3	B8	A70
T2-2	B8	.A76	T2-3	B8	A76
T2-2	B8 -	A77	T2-3	B8_	A77
T2.2	B8	A78	T2-3	B8	A78
T2-2	B8	A106	T2-3	B8	A106
T2-2	B8	A110	T2-3	B8	A110
T2-4	B8	A2	T2-5	B8	A2
T2-4	B8	Αō	T2-5	B8	Αō
T2-4	B8	A35	T2-5	B8	A35
T2-4	B8	A37	T2-5	B8	A37
T2-4	B8	A45	T2-5	B8	A45
T2-4	B8	A46	T2-5	B8	A46
T2-4	B8	A49	T2-5	B8	A49
T2-4	B8	A54	T2-5	B8	A54
T2-4	B8	A66	T2-5	B8	A66
T2-4	B8	A67	T2-5	B8	A67
T2-4	B8	A68	T2-5	B8	A68
T2-4	B8	A69	T2-5	B8	A69
T2-4	B8	A70	T2-5	B8	A70
T2-4	B8	A76	T2-5	B8	A76
T2-4	B8	A77	T2-5	B8	A77
T2-4	B8	A78	T2-5	B8	A78
T2-4	B8	A106	T2-5	B8	A106
T2-4	B8	A110	T2-5	B8	A110
T5-1	B8	A2	T7-1	B8	A2
T5-1	B8	A5	T7-1	B8	A5
T5-1	B8	A35	T7-1	B8	A35
T5-1	B8	A37	T7-1	B8	A37 /
T5-1	B8	A45	T7-1	B8	A45
T5-1	B8	A46	T7-1	B8	A46
T5-1	B8	A49	T7-1	B8	A49
T5-1	B8	A54	T7-1	B8	A54
T5-1	B8	A66	T7-1	B8	A66
T5-1	B8	A67	T7-1	B8	A67
T5-1	B8	A68	T7-1	B8	A68
T5-1	B8	A69	T7-1	B8	A69
T5-1	B8	A70	T7-1	B8	A70
T5-1	B8	A76	T7-1	B8	A76
T5-1	B8	A77	T7-1	B8	A77
T5-1	B8	A78	T7-1	B8	A78
T5-1	B8	A106	T7-1	B8	A106
T5-1	B8	A110	T7-1	B8	A110
T1-1		A2	T2-1	B9	A2

Table 11

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T1-1 B9 A5 T2-1 B9 A35 T1-1 B9 A35 T2-1 B9 A35 T1-1 B9 A45 T2-1 B9 A45 T1-1 B9 A46 T2-1 B9 A46 T1-1 B9 A46 T2-1 B9 A49 T1-1 B9 A66 T2-1 B9 A49 T1-1 B9 A66 T2-1 B9 A66 T1-1 B9 A66 T2-1 B9 A66 T1-1 B9 A66 T2-1 B9 A66 T1-1 B9 A68 T2-1 B9 A66 T1-1 B9 A68 T2-1 B9 A66 T1-1 B9 A70 T2-1 B9 A67 T1-1 B9 A76 T2-1 B9 A76 T1-1 B9 A77 T2-1 B9 A77						
T1-1 B9 A37 T2-1 B9 A45 T1-1 B9 A45 T2-1 B9 A45 T1-1 B9 A46 T2-1 B9 A46 T1-1 B9 A49 T2-1 B9 A46 T1-1 B9 A54 T2-1 B9 A67 T1-1 B9 A66 T2-1 B9 A66 T1-1 B9 A66 T2-1 B9 A66 T1-1 B9 A67 T2-1 B9 A67 T1-1 B9 A68 T2-1 B9 A68 T1-1 B9 A69 T2-1 B9 A68 T1-1 B9 A70 T2-1 B9 A70 T1-1 B9 A76 T2-1 B9 A76 T1-1 B9 A77 T2-1 B9 A77 T1-1 B9 A106 T2-1 B9 A106	T1-1	B9	A5	T2-1	B9	A5
T1-1 B9 A45 T2-1 B9 A45 T1-1 B9 A46 T2-1 B9 A46 T1-1 B9 A49 T2-1 B9 A54 T1-1 B9 A66 T2-1 B9 A54 T1-1 B9 A66 T2-1 B9 A66 T1-1 B9 A66 T2-1 B9 A66 T1-1 B9 A68 T2-1 B9 A67 T1-1 B9 A68 T2-1 B9 A68 T1-1 B9 A69 T2-1 B9 A68 T1-1 B9 A70 T2-1 B9 A70 T1-1 B9 A77 T2-1 B9 A76 T1-1 B9 A77 T2-1 B9 A77 T1-1 B9 A110 T2-1 B9 A110 T2-2 B9 A5 T2-3 B9 A5	T1-1	B9	A35	T2-1		
T1.1 B9 A45 T2.1 B9 A45 T1.1 B9 A46 T2.1 B9 A46 T1.1 B9 A54 T2.1 B9 A45 T1.1 B9 A66 T2.1 B9 A66 T1.1 B9 A66 T2.1 B9 A67 T1.1 B9 A68 T2.1 B9 A67 T1.1 B9 A68 T2.1 B9 A68 T1.1 B9 A69 T2.1 B9 A68 T1.1 B9 A70 T2.1 B9 A68 T1.1 B9 A76 T2.1 B9 A76 T1.1 B9 A76 T2.1 B9 A76 T1.1 B9 A77 T2.1 B9 A77 T1.1 B9 A106 T2.1 B9 A77 T1.1 B9 A10 T2.1 B9 A10	T1-1	B9 .	A37	T2-1	B9	A37
T1-1 B9 A49 T2-1 B9 A49 T1-1 B9 A54 T2-1 B9 A54 T1-1 B9 A66 T2-1 B9 A66 T1-1 B9 A67 T2-1 B9 A67 T1-1 B9 A68 T2-1 B9 A68 T1-1 B9 A69 T2-1 B9 A69 T1-1 B9 A70 T2-1 B9 A70 T1-1 B9 A76 T2-1 B9 A76 T1-1 B9 A77 T2-1 B9 A77 T1-1 B9 A77 T2-1 B9 A77 T1-1 B9 A106 T2-1 B9 A78 T1-1 B9 A110 T2-1 B9 A110 T2-2 B9 A2 T2-3 B9 A5 T2-2 B9 A35 T2-3 B9 A35		B9	A45	T2-1	B9_	A45
T1·1 B9 A49 T2·1 B9 A49 T1·1 B9 A54 T2·1 B9 A54 T1·1 B9 A66 T2·1 B9 A66 T1·1 B9 A68 T2·1 B9 A68 T1·1 B9 A69 T2·1 B9 A68 T1·1 B9 A70 T2·1 B9 A76 T1·1 B9 A76 T2·1 B9 A76 T1·1 B9 A76 T2·1 B9 A76 T1·1 B9 A77 T2·1 B9 A77 T1·1 B9 A78 T2·1 B9 A77 T1·1 B9 A106 T2·1 B9 A106 T1·1 B9 A10 T2·1 B9 A110 T2·2 B9 A5 T2·3 B9 A5 T2·2 B9 A5 T2·3 B9 A5	T1-1	B9	A46	T2-1	B9	A46
T1-1 B9 A66 T2-1 B9 A66 T1-1 B9 A67 T2-1 B9 A67 T1-1 B9 A68 T2-1 B9 A68 T1-1 B9 A69 T2-1 B9 A69 T1-1 B9 A70 T2-1 B9 A70 T1-1 B9 A76 T2-1 B9 A76 T1-1 B9 A77 T2-1 B9 A77 T1-1 B9 A78 T2-1 B9 A77 T1-1 B9 A106 T2-1 B9 A78 T1-1 B9 A106 T2-1 B9 A106 T1-1 B9 A110 T2-1 B9 A110 T2-2 B9 A5 T2-3 B9 A5 T2-2 B9 A5 T2-3 B9 A5 T2-2 B9 A45 T2-3 B9 A45		B9	A49	T2-1	B9 ·	A49
T1-1 B9 A67 T2-1 B9 A67 T1-1 B9 A68 T2-1 B9 A68 T1-1 B9 A69 T2-1 B9 A69 T1-1 B9 A70 T2-1 B9 A70 T1-1 B9 A76 T2-1 B9 A70 T1-1 B9 A76 T2-1 B9 A77 T1-1 B9 A78 T2-1 B9 A78 T1-1 B9 A106 T2-1 B9 A106 T1-1 B9 A110 T2-1 B9 A110 T2-2 B9 A5 T2-3 B9 A5 T2-2 B9 A5 T2-3 B9 A5	T1-1	B9	Aõ4	T2-1	B9	A54
T1-1 B9 A67 T2-1 B9 A68 T1-1 B9 A68 T2-1 B9 A68 T1-1 B9 A69 T2-1 B9 A69 T1-1 B9 A70 T2-1 B9 A76 T1-1 B9 A76 T2-1 B9 A77 T1-1 B9 A77 T2-1 B9 A77 T1-1 B9 A78 T2-1 B9 A78 T1-1 B9 A106 T2-1 B9 A78 T1-1 B9 A110 T2-1 B9 A106 T1-1 B9 A110 T2-1 B9 A110 T2-2 B9 A2 T2-3 B9 A5 T2-2 B9 A5 T2-3 B9 A5 T2-2 B9 A45 T2-3 B9 A45 T2-2 B9 A45 T2-3 B9 A46	T1-1	B9	A66.	T2-1	B9	A66
T1-1 B9 A68 T2-1 B9 A68 T1-1 B9 A69 T2-1 B9 A69 T1-1 B9 A70 T2-1 B9 A70 T1-1 B9 A76 T2-1 B9 A76 T1-1 B9 A77 T2-1 B9 A77 T1-1 B9 A78 T2-1 B9 A77 T1-1 B9 A106 T2-1 B9 A106 T1-1 B9 A110 T2-1 B9 A110 T2-2 B9 A2 T2-3 B9 A2 T2-2 B9 A5 T2-3 B9 A5 T2-2 B9 A45 T2-3 B9 A5 T2-2 B9 A45 T2-3 B9 A45 T2-2 B9 A45 T2-3 B9 A45 T2-2 B9 A46 T2-3 B9 A46	T1-1	B9	A67	T2-1	B9	A67
T1-1 B9 A70 T2-1 B9 A70 T1-1 B9 A76 T2-1 B9 A76 T1-1 B9 A77 T2-1 B9 A77 T1-1 B9 A78 T2-1 B9 A78 T1-1 B9 A106 T2-1 B9 A106 T1-1 B9 A110 T2-1 B9 A110 T2-2 B9 A2 T2-3 B9 A2 T2-2 B9 A35 T2-3 B9 A35 T2-2 B9 A35 T2-3 B9 A35 T2-2 B9 A35 T2-3 B9 A35 T2-2 B9 A45 T2-3 B9 A45 T2-2 B9 A46 T2-3 B9 A45 T2-2 B9 A46 T2-3 B9 A46 T2-2 B9 A54 T2-3 B9 A46		B9	A68	T2-1	B9	A68
T1-1 B9 A76 T2-1 B9 A76 T1-1 B9 A77 T2-1 B9 A77 T1-1 B9 A78 T2-1 B9 A78 T1-1 B9 A106 T2-1 B9 A106 T1-1 B9 A110 T2-1 B9 A110 T2-2 B9 A2 T2-3 B9 A2 T2-2 B9 A5 T2-3 B9 A5 T2-2 B9 A35 T2-3 B9 A35 T2-2 B9 A45 T2-3 B9 A37 T2-2 B9 A45 T2-3 B9 A37 T2-2 B9 A45 T2-3 B9 A46 T2-2 B9 A46 T2-3 B9 A46 T2-2 B9 A54 T2-3 B9 A46 T2-2 B9 A66 T2-3 B9 A67	T1-1	B9	A69	T2-1	B9	A69
T1-1 B9 A77 T2-1 B9 A77 T1-1 B9 A78 T2-1 B9 A78 T1-1 B9 A106 T2-1 B9 A106 T1-1 B9 A110 T2-1 B9 A110 T2-2 B9 A2 T2-3 B9 A2 T2-2 B9 A5 T2-3 B9 A5 T2-2 B9 A35 T2-3 B9 A35 T2-2 B9 A45 T2-3 B9 A35 T2-2 B9 A45 T2-3 B9 A45 T2-2 B9 A45 T2-3 B9 A45 T2-2 B9 A46 T2-3 B9 A46 T2-2 B9 A54 T2-3 B9 A46 T2-2 B9 A66 T2-3 B9 A67 T2-2 B9 A67 T2-3 B9 A66	T1-1	B9	A70	T2-1	B9	A70
T1-1 B9 A78 T2-1 B9 A78 T1-1 B9 A106 T2-1 B9 A106 T1-1 B9 A110 T2-1 B9 A110 T2-2 B9 A2 T2-3 B9 A2 T2-2 B9 A5 T2-3 B9 A5 T2-2 B9 A35 T2-3 B9 A35 T2-2 B9 A45 T2-3 B9 A35 T2-2 B9 A45 T2-3 B9 A45 T2-2 B9 A45 T2-3 B9 A45 T2-2 B9 A46 T2-3 B9 A46 T2-2 B9 A46 T2-3 B9 A49 T2-2 B9 A54 T2-3 B9 A67 T2-2 B9 A66 T2-3 B9 A67 T2-2 B9 A67 T2-3 B9 A67		B9	A76	T2-1	B9	A76
T1-1 B9 A78 T2-1 B9 A78 T1-1 B9 A106 T2-1 B9 A106 T1-1 B9 A110 T2-1 B9 A110 T2-2 B9 A2 T2-3 B9 A2 T2-2 B9 A5 T2-3 B9 A5 T2-2 B9 A35 T2-3 B9 A35 T2-2 B9 A45 T2-3 B9 A35 T2-2 B9 A45 T2-3 B9 A45 T2-2 B9 A46 T2-3 B9 A45 T2-2 B9 A46 T2-3 B9 A46 T2-2 B9 A46 T2-3 B9 A46 T2-2 B9 A54 T2-3 B9 A66 T2-2 B9 A66 T2-3 B9 A67 T2-2 B9 A68 T2-3 B9 A67		B9	A77	T2-1	B9	A77
T1-1 B9 A110 T2-1 B9 A110 T2-2 B9 A2 T2-3 B9 A2 T2-2 B9 A5 T2-3 B9 A5 T2-2 B9 A35 T2-3 B9 A35 T2-2 B9 A45 T2-3 B9 A45 T2-2 B9 A46 T2-3 B9 A45 T2-2 B9 A46 T2-3 B9 A46 T2-2 B9 A46 T2-3 B9 A46 T2-2 B9 A46 T2-3 B9 A49 T2-2 B9 A54 T2-3 B9 A54 T2-2 B9 A66 T2-3 B9 A66 T2-2 B9 A66 T2-3 B9 A66 T2-2 B9 A68 T2-3 B9 A67 T2-2 B9 A69 T2-3 B9 A70		B9	A78	T2-1	B9	A78
T2-2 B9 A2 T2-3 B9 A2 T2-2 B9 A5 T2-3 B9 A5 T2-2 B9 A35 T2-3 B9 A35 T2-2 B9 A45 T2-3 B9 A37 T2-2 B9 A45 T2-3 B9 A45 T2-2 B9 A46 T2-3 B9 A46 T2-2 B9 A46 T2-3 B9 A49 T2-2 B9 A54 T2-3 B9 A49 T2-2 B9 A66 T2-3 B9 A66 T2-2 B9 A66 T2-3 B9 A66 T2-2 B9 A66 T2-3 B9 A66 T2-2 B9 A67 T2-3 B9 A67 T2-2 B9 A68 T2-3 B9 A69 T2-2 B9 A70 T2-3 B9 A70 <	T1-1	B9	A106	T2-1	B9	A106
T2-2 B9 A5 T2-3 B9 A5 T2-2 B9 A35 T2-3 B9 A35 T2-2 B9 A37 T2-3 B9 A37 T2-2 B9 A45 T2-3 B9 A45 T2-2 B9 A46 T2-3 B9 A46 T2-2 B9 A46 T2-3 B9 A49 T2-2 B9 A54 T2-3 B9 A49 T2-2 B9 A66 T2-3 B9 A54 T2-2 B9 A66 T2-3 B9 A66 T2-2 B9 A67 T2-3 B9 A67 T2-2 B9 A68 T2-3 B9 A67 T2-2 B9 A69 T2-3 B9 A70 T2-2 B9 A76 T2-3 B9 A76 T2-2 B9 A77 T2-3 B9 A77	T1-1	В9	A110	T2-1	B9	A110
T2-2 B9 A5 T2-3 B9 A5 T2-2 B9 A35 T2-3 B9 A35 T2-2 B9 A45 T2-3 B9 A45 T2-2 B9 A46 T2-3 B9 A46 T2-2 B9 A46 T2-3 B9 A46 T2-2 B9 A49 T2-3 B9 A49 T2-2 B9 A54 T2-3 B9 A49 T2-2 B9 A66 T2-3 B9 A54 T2-2 B9 A66 T2-3 B9 A66 T2-2 B9 A66 T2-3 B9 A67 T2-2 B9 A68 T2-3 B9 A67 T2-2 B9 A69 T2-3 B9 A69 T2-2 B9 A70 T2-3 B9 A70 T2-2 B9 A77 T2-3 B9 A76	T2-2	B9	A2	T2-3	B9	A2
T2-2 B9 A37 T2-3 B9 A37 T2-2 B9 A45 T2-3 B9 A45 T2-2 B9 A46 T2-3 B9 A46 T2-2 B9 A49 T2-3 B9 A49 T2-2 B9 A54 T2-3 B9 A54 T2-2 B9 A66 T2-3 B9 A66 T2-2 B9 A66 T2-3 B9 A66 T2-2 B9 A67 T2-3 B9 A66 T2-2 B9 A68 T2-3 B9 A67 T2-2 B9 A69 T2-3 B9 A69 T2-2 B9 A70 T2-3 B9 A70 T2-2 B9 A76 T2-3 B9 A76 T2-2 B9 A77 T2-3 B9 A77 T2-2 B9 A106 T2-3 B9 A106			A5	T2-3	B9	A5
T2-2 B9 A45 T2-3 B9 A45 T2-2 B9 A46 T2-3 B9 A46 T2-2 B9 A49 T2-3 B9 A49 T2-2 B9 A54 T2-3 B9 A54 T2-2 B9 A66 T2-3 B9 A65 T2-2 B9 A67 T2-3 B9 A67 T2-2 B9 A68 T2-3 B9 A68 T2-2 B9 A69 T2-3 B9 A68 T2-2 B9 A69 T2-3 B9 A69 T2-2 B9 A70 T2-3 B9 A70 T2-2 B9 A76 T2-3 B9 A76 T2-2 B9 A77 T2-3 B9 A77 T2-2 B9 A77 T2-3 B9 A77 T2-2 B9 A106 T2-3 B9 A110	T2-2	B9	A35	T2-3	B9	A35
T2-2 B9 A46 T2-3 B9 A46 T2-2 B9 A49 T2-3 B9 A49 T2-2 B9 A54 T2-3 B9 A54 T2-2 B9 A66 T2-3 B9 A66 T2-2 B9 A67 T2-3 B9 A67 T2-2 B9 A68 T2-3 B9 A68 T2-2 B9 A68 T2-3 B9 A68 T2-2 B9 A69 T2-3 B9 A69 T2-2 B9 A70 T2-3 B9 A70 T2-2 B9 A76 T2-3 B9 A76 T2-2 B9 A77 T2-3 B9 A77 T2-2 B9 A78 T2-3 B9 A78 T2-2 B9 A106 T2-3 B9 A106 T2-2 B9 A106 T2-3 B9 A110	T2-2	B9	A37	T2-3	. B9	A37
T2-2 B9 A49 T2-3 B9 A49 T2-2 B9 A54 T2-3 B9 A54 T2-2 B9 A66 T2-3 B9 A66 T2-2 B9 A67 T2-3 B9 A67 T2-2 B9 A68 T2-3 B9 A68 T2-2 B9 A69 T2-3 B9 A69 T2-2 B9 A69 T2-3 B9 A70 T2-2 B9 A70 T2-3 B9 A70 T2-2 B9 A76 T2-3 B9 A76 T2-2 B9 A77 T2-3 B9 A77 T2-2 B9 A77 T2-3 B9 A78 T2-2 B9 A106 T2-3 B9 A106 T2-2 B9 A106 T2-3 B9 A110 T2-3 B9 A110 T2-3 B9 A2	T2-2	B9	A45	T2-3	B9	A45
T2-2 B9 A54 T2-3 B9 A54 T2-2 B9 A66 T2-3 B9 A66 T2-2 B9 A67 T2-3 B9 A67 T2-2 B9 A68 T2-3 B9 A68 T2-2 B9 A69 T2-3 B9 A69 T2-2 B9 A70 T2-3 B9 A70 T2-2 B9 A76 T2-3 B9 A76 T2-2 B9 A77 T2-3 B9 A76 T2-2 B9 A77 T2-3 B9 A77 T2-2 B9 A78 T2-3 B9 A78 T2-2 B9 A106 T2-3 B9 A106 T2-2 B9 A106 T2-3 B9 A106 T2-2 B9 A10 T2-3 B9 A100 T2-4 B9 A2 T2-5 B9 A5		B9	A46	T2-3	B9	A46
T2-2 B9 A66 T2-3 B9 A66 T2-2 B9 A67 T2-3 B9 A67 T2-2 B9 A68 T2-3 B9 A68 T2-2 B9 A69 T2-3 B9 A69 T2-2 B9 A70 T2-3 B9 A70 T2-2 B9 A76 T2-3 B9 A76 T2-2 B9 A77 T2-3 B9 A77 T2-2 B9 A78 T2-3 B9 A77 T2-2 B9 A78 T2-3 B9 A106 T2-2 B9 A106 T2-3 B9 A106 T2-2 B9 A106 T2-3 B9 A106 T2-2 B9 A100 T2-3 B9 A110 T2-4 B9 A2 T2-5 B9 A5 T2-4 B9 A35 T2-5 B9 A35		В9	A49	T2-3	B9	A49
T2-2 B9 A66 T2-3 B9 A66 T2-2 B9 A67 T2-3 B9 A67 T2-2 B9 A68 T2-3 B9 A68 T2-2 B9 A69 T2-3 B9 A69 T2-2 B9 A70 T2-3 B9 A70 T2-2 B9 A76 T2-3 B9 A76 T2-2 B9 A77 T2-3 B9 A77 T2-2 B9 A78 T2-3 B9 A78 T2-2 B9 A106 T2-3 B9 A106 T2-2 B9 A106 T2-3 B9 A110 T2-2 B9 A110 T2-3 B9 A110 T2-3 B9 A110 T2-3 B9 A110 T2-4 B9 A2 T2-5 B9 A5 T2-4 B9 A35 T2-5 B9 A35	T2-2	B9	A54	T2-3	B9	A54
T2-2 B9 A67 T2-3 B9 A68 T2-2 B9 A68 T2-3 B9 A68 T2-2 B9 A69 T2-3 B9 A69 T2-2 B9 A70 T2-3 B9 A70 T2-2 B9 A76 T2-3 B9 A76 T2-2 B9 A77 T2-3 B9 A77 T2-2 B9 A78 T2-3 B9 A78 T2-2 B9 A106 T2-3 B9 A106 T2-2 B9 A106 T2-3 B9 A106 T2-2 B9 A100 T2-3 B9 A110 T2-4 B9 A2 T2-5 B9 A5 T2-4 B9 A35 T2-5 B9 A35 T2-4 B9 A35 T2-5 B9 A37 T2-4 B9 A45 T2-5 B9 A45		B9	A66	T2-3	B9	A66
T2-2 B9 A69 T2-3 B9 A69 T2-2 B9 A70 T2-3 B9 A70 T2-2 B9 A76 T2-3 B9 A76 T2-2 B9 A77 T2-3 B9 A77 T2-2 B9 A78 T2-3 B9 A78 T2-2 B9 A106 T2-3 B9 A106 T2-2 B9 A106 T2-3 B9 A106 T2-2 B9 A100 T2-3 B9 A110 T2-4 B9 A2 T2-5 B9 A5 T2-4 B9 A35 T2-5 B9 A35 T2-4 B9 A35 T2-5 B9 A37 T2-4 B9 A45 T2-5 B9 A45 T2-4 B9 A45 T2-5 B9 A45 T2-4 B9 A46 T2-5 B9 A46		B9	A67	T2-3	B9	A67
T2-2 B9 A70 T2-3 B9 A70 T2-2 B9 A76 T2-3 B9 A76 T2-2 B9 A77 T2-3 B9 A77 T2-2 B9 A78 T2-3 B9 A78 T2-2 B9 A106 T2-3 B9 A106 T2-2 B9 A110 T2-3 B9 A110 T2-2 B9 A110 T2-3 B9 A110 T2-4 B9 A2 T2-5 B9 A2 T2-4 B9 A35 T2-5 B9 A35 T2-4 B9 A35 T2-5 B9 A35 T2-4 B9 A45 T2-5 B9 A45 T2-4 B9 A45 T2-5 B9 A45 T2-4 B9 A46 T2-5 B9 A46 T2-4 B9 A46 T2-5 B9 A46	T2-2	B9	A68	T2-3	B9	A68
T2-2 B9 A76 T2-3 B9 A76 T2-2 B9 A77 T2-3 B9 A77 T2-2 B9 A78 T2-3 B9 A78 T2-2 B9 A106 T2-3 B9 A106 T2-2 B9 A110 T2-3 B9 A110 T2-4 B9 A2 T2-5 B9 A2 T2-4 B9 A5 T2-5 B9 A5 T2-4 B9 A35 T2-5 B9 A35 T2-4 B9 A45 T2-5 B9 A45 T2-4 B9 A45 T2-5 B9 A45 T2-4 B9 A46 T2-5 B9 A46 T2-4 B9 A46 T2-5 B9 A46 T2-4 B9 A46 T2-5 B9 A46 T2-4 B9 A46 T2-5 B9 A46	T2-2	B9	A69	T2-3	B9	A69
T2-2 B9 A77 T2-3 B9 A77 T2-2 B9 A78 T2-3 B9 A78 T2-2 B9 A106 T2-3 B9 A106 T2-2 B9 A110 T2-3 B9 A110 T2-4 B9 A2 T2-5 B9 A2 T2-4 B9 A5 T2-5 B9 A5 T2-4 B9 A35 T2-5 B9 A35 T2-4 B9 A37 T2-5 B9 A37 T2-4 B9 A45 T2-5 B9 A45 T2-4 B9 A45 T2-5 B9 A45 T2-4 B9 A46 T2-5 B9 A46 T2-4 B9 A46 T2-5 B9 A46 T2-4 B9 A46 T2-5 B9 A46 T2-4 B9 A49 T2-5 B9 A46	T2-2	B9	A70	T2-3	B9	A70
T2-2 B9 A78 T2-3 B9 A78 T2-2 B9 A106 T2-3 B9 A106 T2-2 B9 A110 T2-3 B9 A110 T2-4 B9 A2 T2-5 B9 A2 T2-4 B9 A5 T2-5 B9 A5 T2-4 B9 A35 T2-5 B9 A35 T2-4 B9 A37 T2-5 B9 A37 T2-4 B9 A45 T2-5 B9 A45 T2-4 B9 A45 T2-5 B9 A45 T2-4 B9 A46 T2-5 B9 A46 T2-4 B9 A46 T2-5 B9 A46 T2-4 B9 A46 T2-5 B9 A46 T2-4 B9 A49 T2-5 B9 A49	T2-2	B9	A76	T2-3	B9	A76
T2-2 B9 A106 T2-3 B9 A106 T2-2 B9 A110 T2-3 B9 A110 T2-4 B9 A2 T2-5 B9 A2 T2-4 B9 A5 T2-5 B9 A5 T2-4 B9 A35 T2-5 B9 A35 T2-4 B9 A37 T2-5 B9 A37 T2-4 B9 A45 T2-5 B9 A45 T2-4 B9 A46 T2-5 B9 A46 T2-4 B9 A46 T2-5 B9 A46 T2-4 B9 A46 T2-5 B9 A46 T2-4 B9 A49 T2-5 B9 A46	T2-2	B9	A77	T2-3	B9	A77
T2-2 B9 A110 T2-3 B9 A110 T2-4 B9 A2 T2-5 B9 A2 T2-4 B9 A5 T2-5 B9 A5 T2-4 B9 A35 T2-5 B9 A35 T2-4 B9 A37 T2-5 B9 A37 T2-4 B9 A45 T2-5 B9 A45 T2-4 B9 A46 T2-5 B9 A46 T2-4 B9 A46 T2-5 B9 A46 T2-4 B9 A49 T2-5 B9 A49	T2-2	B9	A78	T2-3	B9	
T2-4 B9 A2 T2-5 B9 A2 T2-4 B9 A5 T2-5 B9 A5 T2-4 B9 A35 T2-5 B9 A35 T2-4 B9 A37 T2-5 B9 A37 T2-4 B9 A45 T2-5 B9 A45 T2-4 B9 A46 T2-5 B9 A46 T2-4 B9 A46 T2-5 B9 A46 T2-4 B9 A49 T2-5 B9 A49	T2.2	B9	A106	T2-3	B9	A106
T2-4 B9 A5 T2-5 B9 A5 T2-4 B9 A35 T2-5 B9 A35 T2-4 B9 A37 T2-5 B9 A37 T2-4 B9 A45 T2-5 B9 A45 T2-4 B9 A46 T2-5 B9 A46 T2-4 B9 A46 T2-5 B9 A46 T2-4 B9 A49 T2-5 B9 A49	T2-2	B9	A110	T2-3	B9	A110
T2-4 B9 A35 T2-5 B9 A35 T2-4 B9 A37 T2-5 B9 A37 T2-4 B9 A45 T2-5 B9 A45 T2-4 B9 A46 T2-5 B9 A46 T2-4 B9 A49 T2-5 B9 A49	T2-4	B9	A2	T2-5		<u>A2</u>
T2-4 B9 A35 T2-5 B9 A35 T2-4 B9 A37 T2-5 B9 A37 T2-4 B9 A45 T2-5 B9 A45 T2-4 B9 A46 T2-5 B9 A46 T2-4 B9 A49 T2-5 B9 A49			A5	T2-5	B9	A5
T2-4 B9 A37 T2-5 B9 A37 T2-4 B9 A45 T2-5 B9 A45 T2-4 B9 A46 T2-5 B9 A46 T2-4 B9 A49 T2-5 B9 A49			A35	T2-5	B9	A35
T2-4 B9 A45 T2-5 B9 A45 T2-4 B9 A46 T2-5 B9 A46 T2-4 B9 A49 T2-5 B9 A49			A37	T2-5	B9	A37
T2-4 B9 A46 T2-5 B9 A46 T2-4 B9 A49 T2-5 B9 A49					B9	A45
T2-4 B9 A49 T2-5 B9 A49					B9	A46
					B9	A49
			<u> </u>		B9	A54
			 			

Table 12

ſ	T2-4	B9	A66	T2-5	B9	A66
T	T2-4	B9	A67	T2-5	B9	A67
r	T2-4	B9	A68	T2-5	B9	A68
T	T2-4	B9	A69	T2-5	B9	A69
f	T2-4	B9	A70	T2-5	B9	A70
t	T2-4	B9	A76	T2-5	B9	A76
r	T2-4	B9	A77	T2-5	B9	A77
	T2-4	B9	A78	T2-5	B9	A78
f	T2-4	B9	A106	T2-5	B9	A106
Ì	T2-4	B9	A110	T2-5	B9	'A110
F	T5-1	B9	A2	T7-1	B9	A2
Ì	T5-1	B9	A5	T7-1	B9	A.5
T	T5-1	B9	A35	T7-1	B9	A35
	T5-1	B9	A37	T7-1	B9	A37
Ī	T5-1	B9	A45	T7-1	B9	A45
1	T5-1	B9	A46	T7-1	B9	A46
1	T5-1	B9	A49	T7-1	B9	A49
1	T5-1	B9	A54	T7-1	B9	A54
ſ	T5-1	B9	A66	T7-1	B9	A66
Ì	T5-1	B9	A67	T7-1	B9	A67
Ī	T5-1	B9	A68	T7-1	B9	A68
	T5-1	B9	A69	T7-1	B9	A69
Ī	T5-1	B9	A70	T7-1	B9	A70
	T5-1	B9	A76	T7-1	B9	A76
	T5-1	B9	A77	T7-1	B9	A77
	T5-1	B9	A78	T7-1	B9	A78
	T5-1	B9	A106	T7-1	B9	A106
	T5-1	B9	A110	T7-1	B9	A110
	T1-1	B10	A2	T2-1	B10	A2
	T1-1	B10	A5	T2-1	B10	A5
	T1-1	B10	A35	T2-1 ·	B10	A35
	T1-1	B10	A37	T2-1	B10	A37
	T1-1	B10	A45	T2-1	B10	A45
	T1-1	B10	A46	T2-1	B10	.446
	T1-1	B10	A49	T2-1	B10	A49
	T1-1	B10	A54	T2-1	B10	A54
	T1-1	B10	A66	T2-1	B10	A66
	T1-1	B10	A67	T2-1	B10	A67
	T1-1	B10	A68	T2-1	B10	A68
	T1-1	B10	A69	T2-1	B10	A69
ſ	T1-1	B10	A70	T2-1	B10	A70
ſ	T1-1	B10	A76	T2-1	B10	A76
Γ	T1-1	B10	A77	T2-1	B10	A77
	T1-1	B10	A78	T2-1	B10	A78

Table 13

1 4 5 1 5					
T1-1	B10	A106	T2-1	B10	A106
T1-1	B10	A110	T2-1	B10	A110
T2-2	B10	A2	T2-3	B10	A2
T2-2	B10	A5	T2-3	B10	A5
T2-2	B10	A35	T2-3	B10	A35
T2-2	B10	A37	T2-3	B10	A37
T2-2	B10	A45	T2-3	B10	A45
T2-2	B10	A46	T2-3	B10	A46
T2-2	B10	A49	T2-3	B10	A49
T2-2	B10	A54	T2-3	B10	A54
T2-2	B10	A66	T2-3	B10	A66
T2-2	B10	A67	T2-3	B10	A67
T2-2	B10	A68	T2-3	B10	A68
T2-2	B10	A69	T2-3	B10	A69
T2-2	B10	A70	T2-3	B10	A70
T2-2	B10	A76	T2-3	B10	A76
T2-2	B10	A77	T2-3	B10	A77
T2-2	B10	A78	T2-3	B10	A78
T2-2	B10	A106	T2-3	B10	A106
T2-2	B10	A110	T2-3	B10	A110
T2-4	B10	A2	T2-5	B10	A2
T2-4	B10	A5	T2.5	B10	A5
T2-4	B10	A35	T2-5	B10	A35
T2-4	B10	A37	T2-5	B10	A37
T2-4	B10	A45	T2-5	B10	A45
T2-4	B10	A46	T2-5	B10	A46
T2-4	B10	A49	T2-5	B10	A49
T2-4	B10	A54	T2-5	B10	A54
T2-4	B10	A66	T2-5	B10	A66
T2-4	B10	A67	T2-5	B10	A67
T2-4	B10	A68	T2-5	B10	A68
T2-4	B10	A69	T2-5	B10	A69
T2-4	B10	A70	T2-5	B10	A70
T2-4	B10	A76	T2-5	B10	A76
T2-4	B10	A77	T2-5	B10	A77
T2-4	B10	A78	T2-5	B10	A78
T2-4	B10	A106	T2-5	B10	A106
T2-4	B10	A110	T2-5	B10	A110
T5-1	B10	A2	T7-1	B10	A2
T5-1	B10	A5	T7-1	B10	A5
T5-1	B10	A35	T7-1	B10	A35
T5-1	B10	A37	T7-1	B10	A37
T5-1	B10	A45	T7-1	B10	A45_

Table 14

T5-1	B10	A46	T7-1	B10	A46
T5-1	B10	A49	T7-1	B10	A49
T5-1	B10	A54	T7-1	B10	A54
T5-1	B10	A66	T7-1	B10	A66
T5-1	B10	A67	T7-1	B10	A67
T5-1	B10	A68	T7-1	B10	A68
T5-1	B10	A69	T7-1	B10	A69
T5-1	B10	A70	T7-1	B10	A70
T5-1	B10	A76	T7-1	B10	A76
T5-1	B10	A77	T7-1	B10	A77
T5-1	B10	A78	T7-1	B10	A78
T5-1	B10	A106	T7-1	B10	A106
T5-1	B10	A110	T7-1	B10	A110
T1-1	B12	A2	T2-1	B12	A2
T1-1	. B12	A5	T2·1	B12	A5
T1-1	B12	A35	T2-1	B12	A35
T1-1	B12	A37	T2-1	B12	A37
T1-1	B12	A45	T2-1	B12	A45
T1-1	B12	A46	T2-1	B12	A46
T1-1	B12	A49	T2-1	B12	A49
T1-1	B12	A54	T2-1	B12	A54
T1-1	B12	A66	T2-1	B12	A66
T1-1	B12	A67	T2-1	B12	A67
T1-1	B12	A68	T2-1	B12	A68
T1-1	B12	A69	T2-1	B12	A69
T1-1	B12	A70	T2-1	B12	A70
T1-1	B12	A76	T2-1	B12	A76
T1-1	B12	A77	T2-1	B12	A77
T1-1	B12	A78	T2-1	B12	A78
T1-1	B12	A106	T2-1	B12	A106
T1-1	B12	A110	T2-1	B12	A110
T2-2	B12	A2	T2-3	B12	A2
T2-2	B12	A5	T2-3	B12	A5
T2-2	B12	A35	T2-3	B12	A35
T2-2	B12	A37	T2-3	B12	A37
T2-2	B12	A45	T2-3	B12	A45
T2-2	B12	A46	T2-3	B12	A46
T2-2	B12	A49	T2-3	B12	A49
T2-2	B12	A54	T2-3	B12	A54
T2-2	B12	A66	T2-3	B12	A66
T2-2	B12	A67	T2-3	B12	A67
T2-2	B12	A68	T2-3	B12	A68
T2-2	B12	A69	T2-3	B12	A69

-	Table 15					
İ	T2-2	B12	A70	T2-3	B12	A70
5	T2-2	B12	A76	T2-3	B12	A76
	T2-2	B12	A77	T2-3	B12	A77
	T2-2	B12	A78	T2-3	B12	A78
	T2-2	B12	A106	T2-3	B12	A106
_	T2-2	B12	A110	T2-3	B12	A110
10	T2-4	B12	A2	T2-5	B12	A2
	T2-4	B12	A5	T2-5	B12	A5
	T2-4	B12	A35	T2-5	B12	A35
	T2-4	B12	A37	T2-5	B12	A37
15	T2-4	B12	A45	T2.5	B12	A45
	T2-4	B12	A46	T2.5	B12	A46
	T2-4	B12	A49	T2-5	B12	A49
	T2-4	B12	A54	T2-5	B12	A54
20	T2-4	B12	A66	T2-5	B12	A66
	T2-4	B12	A67	T2-5	B12	A67
	T2-4	B12	A68	T2-5	B12	A68
	T2-4	B12	A69	T2-5	B12	A69
0.5	T2-4	B12	A70	T2-5	B12	A70
25	T2-4	B12	A76	T2-5	B12	A76
	T2-4	B12	A77	T2-5	B12	A77
	T2-4	B12	A78	T2-5	B12	A78
	T2-4	B12	A106	T2-5	B12	A106
30	T2-4	B12	A110_	T2-5	B12	A110
	T5-1	B12	.42	T7-1	B12	A2
	T5-1	B12	A5	T7-1	B12	A5
	T5-1	B12	A35	T7-1	B12	A35
35	T5-1	B12	A37	T7-1	B12	A37,
	T5-1	B12	A45	T7-1	B12	A45
	T5-1	B12	A46	T7-1	B12	A46
	T5-1	B12	A49	· T7-1	B12	A49
40	T5-1	B12	A54	T7-1	B12	A54
40	T5-1	B12	A66	T7.1	B12	A66
	T5-1	B12	A67	T7-1	B12	A67
	T5-1	B12	A68	T7-1	B12	A68
	T5-1	B12	A69	T7-1	B12	A69
45	T5-1	B12	A70	T7-1	B12	A70
	T5-1	B12	A76	T7-1	B12	A76
	T5-1	B12	A77	T7-1	B12	A77
	T5-1	B12	A78	T7-1	B12	A78
50	T5-1	B12	A106	T7-1	B12	A106
	T5-1	B12	A110	T7-1	B12	A110
	T1-1	B14	A2	T2-1	B14	A2

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Table 16

Table 10			<u> </u>		
T1-1	B14	A5	T2-1	B14	Аб
T1-1	B14	A35	T2-1	B14	A35
T1-1	B14	A37	T2-1	B14	A37
T1-1	B14	A45	T2-1	B14	A45
T1-1	B14	A46	T2-1	B14	A46
T1-1	B14	A49	T2-1	B14	A49
T1-1	B14	A54	T2-1	B14	A54
T1-1	B14	A66	T2-1	B14	A66
T1-1	B14	A67	T2-1	B14	A67
T1-1	B14	A68	T2-1	B14	A68
T1-1	B14	A69	T2-1	B14	A69
T1-1	B14	A70	T2-1	B14	A70
T1-1	B14	A76	T2-1	B14	A76
T1-1	B14	A77	T2-1	B14	A77
T1-1	B14	A78	T2-1	B14	A78
T1-1	B14	A106	T2-1	B14	A106
T1-1	B14	A110	T2-1	B14	A110
T2-2	B14	A2	T2-3	B14	A2
T2-2	B14	A5	T2-3	B14	A5
T2-2	B14	A35	T2-3	B14	A35
T2-2	B14	A37	T2-3	B14	A37
T2-2	. B14	A45	T2-3	B14	A45
T2-2	B14	A46	T2-3	B14	A46
T2-2	B14	A49	T2-3	B14	A49
T2-2	B14	A54	T2-3	B14	A54
T2-2	B14	A66	T2-3	B14	A66
T2-2	B14	A67	T2-3	B14	A67
T2-2	B14	A68	T2-3	B14	_A68
T2-2	B14	A69	T2-3	B14	A69
T2-2	B14	A70	T2-3	B14	A70
T2-2	B14	A76	T2-3	B14	A76
T2-2	B14	A77	T2-3	B14	A77
T2-2	B14	A78	T2-3	B14	A78
T2-2	B14	A106	T2-3	B14	A106
T2-2	B14	A110	T2-3	B14	A110
T2-4	B14	A2	T2-5	B14	A2
T2-4	B14	A5	T2-5	B14	A5
T2-4	B14	A35	T2-5	B14	A35
T2-4	B14	A37	T2-5	B14	A37
T2-4	B14	A45	T2-5	B14	A45
T2-4	B14	A46	T2-5	B14	A46
T2-4	B14	A49	T2-5	B14	A49
T2-4	B14	A54	T2-5	B14	A54
			*	·	

Might seek specified

Table 17

T2-4 B14 A66 T2-5 T2-4 B14 A67 T2-5 T2-4 B14 A68 T2-5 T2-4 B14 A69 T2-5 T2-4 B14 A70 T2-5 T2-4 B14 A76 T2-5 T2-4 B14 A77 T2-5 T2-4 B14 A77 T2-5	B14 B14 B14	A66 A67 A68
T2-4 B14 A68 T2-5 T2-4 B14 A69 T2-5 T2-4 B14 A70 T2-5 T2-4 B14 A76 T2-5 T2-4 B14 A76 T2-5	B14 B14	A68
T2-4 B14 A69 T2-5 T2-4 B14 A70 T2-5 T2-4 B14 A76 T2-5 T2-4 B14 A76 T2-5	B14	
T2-4 B14 A70 T2-5 T2-4 B14 A76 T2-5		
T2-4 B14 A76 T2-5		A69
	B14	A70
	B14	A76
T2-4 B14 A77 T2-5	B14	A77
T2-4 B14 A78 T2-5	B14	A78
T2-4 B14 A106 T2-5	B14	A106
T2-4 B14 A110 T2-5	B14	A110
T5-1 B14 A2 T7-1	B14	A2
T5-1 B14 A5 T7-1	B14	A5
T5-1 B14 A35 T7-1		A35
T5-1 B14 A37 T7-1		A37
T5-1 B14 A45 T7-1		A45
T5-1 B14 A46 T7-1		A46
T5-1 B14 A49 T7-1		A49
T5-1 B14 A54 T7-1		A54
T5-1 B14 A66 T7-1		A66
T5-1 B14 A67 T7-1		A67
T5-1 B14 A68 T7-1	B14	A68
T5-1 B14 A69 T7-1		A69
T5-1 B14 A70 T7-1		A70
T5-1 B14 A76 T7-1		A76
T5-1 B14 A77 T7-1	B14	A77
T5-1 B14 A78 T7-1	B14	A78
T5-1 B14 A106 T7-1	B14	A106
T5-1 B14 A110 T7-1	B14	A110
T1-1 B16 A2 T2-1	B16	A2
T1-1 B16 A5 T2-1		A5
T1-1 B16 A35 T2-1		A35
T1-1 B16 A37 T2-1		A37
T1-1 B16 A45 T2-1		A45
T1-1 B16 A46 T2-1	B16	A46
T1-1 B16 A49 T2-1	B16	A49
T1-1 B16 A54 T2-1	B16	A54
T1-1 B16 A66 T2-1		A66
T1-1 B16 A67 T2-1		A67
T1-1 B16 A68 T2-1		A68
T1-1 B16 A69 T2-1		A69
T1-1 B16 A70 T2-1		A70
T1-1 B16 A76 T2-1		A76
T1-1 B16 A77 T2-1		A77

Table 18

Table 10					
T1-1	B16	A78	T2-1	B16	A78
T1-1	B16	A106	T2-1	B16	A106
T1-1	B16	A110	T2-1	B16	A110
T2-2	B16	A2	T2-3	B16	A2
T2-2	B16	A5	T2-3	B16	Aō
T2-2	B16	A35	T2-3	B16	A35
T2-2	B16	A37	T2.3	B16	A37
T2-2	B16	A45	T2-3	B16	A45
T2-2	B16	A46	T2-3	B16	A46
T2-2	B16	A49	T2-3	B16	A49
T2-2	B16	A54	T2-3	B16	A54
T2-2	B16	.466	T2-3	B16	A66
T2-2	B16	A67	T2-3	B16	A67
T2-2	B16	A68	T2-3	B16	A68
T2-2	B16	A69	T2-3	B16	A69
T2-2	B16	A70	T2-3	B16	A70
T2-2	B16	A76	T2.3	B16	A76
T2-2	B16	A77	T2.3	B16	A77
T2-2	B16	A78	T2-3	B16	A78
T2-2	B16	A106	T2-3	B16	A106
T2-2	B16	A110	T2-3	B16	A110
T2-4	B16	A2	T2-5	B16	A2
T2-4	B16	A5	T2-5	B16	A5
T2-4	B16	A35	T2-5	B16	A35
T2-4	B16	A37	T2.5	B16	A37
T2-4	B16	A45	T2-5	B16	A45
T2-4	B16	A46	T2-5	B16	A46
T2-4	B16	A49	T2-5	B16	A49
T2-4	B16	A54	T2-5	B16	A54
T2-4	B16	A66	T2-5	B16	A66
T2-4	B16	A67	T2.5	B16	A67
T2-4	B16	A68	T2.5	B16	A68
T2-4	B16	A69	T2-5	B16	A69
T2-4	B16	A70	T2.5	B16	A70
T2-4	B16	A76	T2-5	B16	A76
T2-4	B16	A77	T2-5	B16	A77
T2-4	B16	A78	T2.5	B16	A78
T2-4	B16	A106	T2-5	B16	A106
T2-4	B16	A110	T2-5	B16	A110
T5-1	B16	A2	T7-1	B16	A2
T5-1	B16	A5	T7-1	B16	.45
T5-1	B16	A35	T7-1	B16	A35
T5-1	B16	A37	T7-1	B16	A37

Table 19

·	Table 19					
	T5-1	B16	A45	T7-1	B16	A45
	T5-1	B16	A46	T7-1	B16	A46
	T5-1	B16	A49	T7-1	B16	A49
	T5-1	B16	A54	T7-1	B16	A54
	T5-1	B16	A66	T7-1	B16	A66
	T5-1	B16	A67	T7-1	B16	A67
	T5-1	B16	A68	T7-1	B16	A68
	T5-1	B16	A69	T7-1	B16	A69
	T5-1	B16	A70	T7-1	B16	A70
	T5-1	B16	A76	T7-1	B16	A76
	T5-1	B16	A77	T7-1	B16	A77
	T5-1	B16	A78	T7-1	B16	A78
	T5-1	B16	A106	T7-1	B16	A106
	T5-1	B16	A110	T7-1	B16	A110
	T1-1	B17	A2	T2-1	B17	A2
	T1-1	B17	A5	T2-1	B17	A5
	T1-1	B17	A35	T2-1	B17	A35
	T1-1	B17	A37	T2-1	B17	A37
	T1-1	B17	A45	T2-1	B17	A45
	T1-1	B17	A46	T2-1	B17	A46
	T1-1	B17	A49	T2-1	B17	A49
	T1-1	B17	A54	T2-1	B17	A54
	T1-1	B17	A66	T2-1	B17	A66
	T1-1	B17	A67	T2-1	B17	A67
	T1-1	B17	A68	T2-1	B17	A68
	T1-1	B17	A69	T2-1	B17	A69
	T1-1	B17	A70	T2-1	B17	A70
	T1-1	B17	A76	T2-1	B17	A76
	T1-1	B17	A77	T2-1	B17	A77
	T1-1	B17	A78	T2-1	B17	A78
	T1-1	B17	A106	T2-1	B17	A106
	T1-1	B17	A110	T2-1	B17	A110
	T2-2	B17	A2	T2-3	B17	A2
	T2-2	B17	A5	T2-3	B17	A5
	T2-2	B17	A35	T2-3	B17	A35
	T2-2	B17	A37	T2-3	B17	A37
	T2-2	B17	A45	T2-3	B17	A45
	T2-2	B17	A46	T2-3	B17	A46
	T2-2	B17	.449	T2-3	B17	A49
	T2-2	B17	A54	T2-3	B17	A54
	T2-2	B17	A66	T2-3	B17	A66
	T2-2	B17	A67	T2-3	B17	A67
	T2-2	B17	A68	T2-3	B17	A68
						

Table 20

· ·	l'able 20					
	T2-2	B17	A69	T2-3	B17	A69
5	T2-2	B17	A70	T2-3	B17	A70
	T2-2	B17	A76	T2-3	B17	A76
	T2-2	. B17	A77	T2-3	B17	A77
	T2-2	B17	A78	T2-3	B17	A78
	T2-2	B17	A106	T2-3	B17	A106
10	T2-2	B17	A110	T2-3	B17	A110
	T2-4	B17	A2	T2-5	B17	A2
	T2-4	B17	A5	T2-5	B17	A5
	T2-4	B17	A35	T2-5	B17	A35
15	T2-4	B17	. A37	T2-5	B17	A37
	T2-4	B17	A45	T2-5	B17	A45
	T2-4	B17	A46	T2-5	B17	A46
	· T2-4	B17	A49	T2-5	B17	A49
20	T2-4	B17	A54	T2.5	B17	A54
	T2-4	B17	A66	T2-5	B17	A66
	T2-4	B17	A67	T2-5	B17	A67
	T2-4	B17	A68	T2-5	B17	A68
	T2-4	B17	A69	T2-5	B17	A69
25	T2-4	B17	A70	T2-5	B17	A70
	T2-4	B17	A76	T2-5	B17	A76
	T2-4	B17	A77	T2-5	B17	A77
	T2-4	B17	A78	T2-5	B17	A78
30	T2-4	B17	A106	T2-5	B17	A106
	T2-4	B17	A110	T2-5	B17	A110
	T5-1	B17	A2	T7-1	B17	A2
	T5-1	B17	A5	T7-1	B17	A5
35	T5-1	B17	A35	T7-1	B17	A35
	T5-1	B17	A37	T7-1	B17	A37
	T5-1	B17	A45	T7-1	B17	A45
	T5-1	B17	A46	T7-1	B17	A46
	T5-1	B17	A49	T7-1	B17	A49
40	T5-1	B17	A54	T7-1	B17	A54
	T5-1	B17	A66	T7-1	B17	A66
	T5-1	B17	A67	T7-1	B17	A67
	T5-1	B17	A68	T7-1	B17	A68
45	T5-1	B17	469	T7-1	B17	A69
	T5-1	B17	A70	T7-1	B17	A70
	T5-1	B17	A76	T7-1	B17	A76
	T5-1	B17	A77	T7-1	B17	A77
50	T5-1	B17	A78	T7-1	B17	A78
	T5-1	B17	A106	T7-1	B17	A106
	- T5-1	B17	A110	T7-1	B17	A110

Table 21

	rable 21					
	T1-1	B24	A2	T2-1	B24	A2
5	T1-1	B24	A5	T2-1	B24	A5
	T1-1	B24	A35	T2-1	B24	A35
	T1-1	B24	A37	T2-1	B24	A37
	T1-1	B24	A45	T2-1	B24	A45
10	T1-1	B24	A46	T2-1	B24	A46
70	T1-1	B24	A49	T2-1	B24	A49
	T1-1	B24	A54	T2-1	B24	A54
	T1-1	B24	A66	T2-1	B24	A66
	T1-1	B24	A67	T2-1	B24	A67
15	T1-1	B24	A68	T2-1	B24	A68
	T1-1	B24	A69	T2-1	B24	A69
	T1-1	B24	A70	T2-1	B24	A70
	T1-1	B24	A76	T2-1	B24	A76
20	T1-1	B24	A77	T2-1	B24	A77
	T1-1	B24	A78	T2-1	B24	A78
	T1-1	B24	A106	T2-1	B24	A106
	T1-1	B24	A110	T2-1	B24	A110
25	T2-2	B24	A2	T2-3	B24	A2
23	T2-2	B24	A5	T2-3	B24	A5
	T2-2	B24	A35	T2-3	B24	A35
	T2-2	B24	A37	T2-3	B24	A37
	T2-2	B24	A45	T2-3	B24	A45
30	T2-2	B24	A46	T2-3	B24	A46
	T2-2	B24	A49	T2-3	B24	A49
	T2-2	B24	A54	T2-3	B24	A54
	T2-2	B24	A66	T2-3	B24	A66
<i>35</i>	T2-2	B24	A67	T2-3	B24	A67,
	T2-2	B24	.468	T2-3	B24	A68
	T2-2	B24	A69	T2-3	B24	A69
	T2-2	B24	A70	T2-3	B24	A70
40	T2-2	B24	A76	T2-3	B24	A76
.•	T2-2	B24	A77	T2-3	B24	A77
	T2-2	B24	A78	T2-3	B24	A78
	T2-2	B24	A106	T2-3	B24	A106
	T2-2	B24	A110	T2-3	B24	A110
45	T2-4	B24	A2	T2-5	B24	A2
	T2-4	B24	A5	T2-5	B24	•A5
	T2-4	B24	A35	T2.5	B24	A35
	T2-4	B24	A37	T2-5	B24	A37
50	T2-4	B24	A45	T2-5	B24	A45
	T2-4	B24	A46	T2-5	B24	A46

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A49

B24

T2-4

55

T2-5

B24

A49

Table 22

	. actic					
ſ	T2-4	B24	A54	T2-5	B24	A54
	T2-4	B24	A66	T2-5	B24	A66
}	T2-4	B24	A67	T2-5	B24	A67
	T2-4	B24	A68	T2-5	B24	A68
	T2-4	B24	A69	T2-5	B24	A69
	T2-4	B24	A70	T2-5	B24	A70
	T2-4	B24	A76	T2-5	B24	A76
	T2-4	B24	A77	T2-5	B24	A77
	T2-4	B24	A78	T2-5	B24	A78
	T2-4	B24	A106	T2-5	B24_	A106
	T2-4	B24	A110	T2-5	B24	A110
	T5-1	B24	A2	T7-1	B24	A2
	T5-1	B24	A5	T7-1	B24	Aō
	T5-1	B24	A35	T7-1	B24	A35
	T5-1	B24	A37	T7-1	B24	A37
	T5-1	B24	A45	T7-1	B24	A45
	T5-1	B24	A46	T7-1	B24	A46
	T5-1	B24	A49	T7-1	B24	A49
	T5-1	B24	A54	T7-1	B24	A54
	T5-1	B24	A66	T7-1	B24	A66
	T5-1	B24	A67	T7-1	B24	A67
	T5-1	B24	A68	T7-1	B24	A68
	T5-1	B24	A69	T7-1	B24	A69
	T5-1	B24	A70	T7-1	B24	A70
	T5-1	B24	A76	T7-1	B24	A76
	T5-1	B24	A77	T7-1	B24	A77
	T5-1	B24	A78	T7-1	B24	A78
	T5-1	B24	A106	T7-1	B24	A106
	T5-1	B24	A110	T7-1	B24	A110
	T1-1	B28	A2	T2-1	B28	A2
	T1-1	B28	A5	T2-1	B28	A5
	T1-1	B28	A35	T2-1	B28	A35
	T1-1	B28	A37	T2-1	B28	A37
	T1-1	B28	A45	T2-1	B28	A45
	T1-1	B28	A46	T2-1	B28	A46
	T1-1	B28	A49	T2-1	B28	A49
	T1-1	B28	A54	T2-1	B28	A54
	T1-1	B28	A66	T2-1	B28	A66
	T1-1	B28	A67	T2-1	B28	A67
	T1-1	B28	A68	T2-1	B28	A68
	T1-1	B28	A69	T2-1	B28	A69
	T1-1	B28	A70	T2-1	B28	A70
	T1-1	B28	A76	T2-1	B28	A76

Table 23

	table 25					
{	T1-1	B28	A77	T2-1	B28	A77
]	T1-1	B28	A78	T2-1	B28	A78
Ì	T1-1	B28	A106	T2-1	B28	A106
j	T1-1	B28	A110	T2-1	B28	A110
	T2-2	B28	A2	T2-3	B28	A2
	T2-2	B28	A5	T2-3	B28	A5
Ì	T2-2	B28	A35	T2-3	B28	A35
Ì	T2-2	B28	A37	T2-3	B28	A37
į	T2-2	B28	- A45	T2-3	B28	A45
	T2-2	B28	A46	T2-3	B28	A46
	T2-2	B28	A49	T2-3	B28	A49
	T2-2	B28	A54	T2-3	B28	A54
	T2-2	B28	A66	T2-3	B28	A66
	T2-2	B28	A67	T2-3	B28	A67
	T2-2	B28	A68	T2-3	B28	A68
	T2-2	B28	A69	T2-3	B28	A69
	T2-2	B28	A70	T2-3	B28	A70
	T2-2	B28	A76	T2-3	B28	A76
i	T2-2	B28	A77	T2-3	B28	A77
	T2-2	B28	A78	T2-3	B28	A78
	T2-2	B28	A106	T2-3	B28	A106
	T2-2	B28	A110	T2-3	B28	A110
	T2-4	B28	A2	T2-5	B28	A2
	T2-4	B28	A5	T2-5	B28	<u>A5</u>
	T2-4	B28	A35	T2-5	B28	A35
	T2-4	B28	A37	T2-5	B28	A37
	T2-4	B28	A45	T2-5	B28	A45
	T2-4	B28	A46	T2-5	B28	.446
:	T2-4	B28	A49	T2-5	B28	A49′
	T2-4	B28	A54	T2-5	B28	A54
	T2-4	B28	A66	T2-5	B28	A66
	T2-4	B28	A67	T2-5	B28	A67
	T2-4	B28	A68	T2-5	B28	A68
	T2-4	B28	A69	T2-5	B28	A69
	T2-4	B28	A70	T2-5	B28	A70
	T2-4	B28	A76	T2.5	B28	A76
	T2-4	B28	A77	T2-5	B28	A77
	T2-4	B28	A78	T2-5	B28	A78
	T2-4	B28	A106	T2-5	B28	A106
	T2-4	B28	A110	T2-5	B28	A110
	T5-1	B28	A2	<u>T7-1</u>	B28	<u>A2</u>
	T5-1	B28	A5	T7-1	B28	A5
	T5-1	B28	A35	T7-1	B28	A35

Table 24

able 24				700	
T5-1	B28	A37	T7-1	B28	A37
T5-1	B28	. A45	T7-1	B28	A45
T5-1	B28	A46	T7-1	B28	A46
T5-1	B28	A49	T7-1	B28	A49
T5-1_	B28	A54	T7-1	B28	A54
T5-1	B28	A66	T7-1	B28	A66
T5-1	B28	A67	T7-1	B28	A67
T5-1	B28	A68	T7-1	B28	A68
T5-1	B28	A69	T7-1	B28	A69
T5-1	B28	A70	T7-1	B28	A70
T5-1	B28	A76	T7-1	B28	A76
T5-1	B28	A77	T7-1	B28	A77
T5-1	B28	A78	T7-1	B28	.478
T5-1	B28	A106	T7-1	B28_	A106
T5-1	B28	A110 ·	T7-1	B28	A110
T1-1	B29	A2	T2-1	B29	A2
T1-1	B29	A5	T2-1	B29	.A5
T1-1	B29	A35	T2-1	B29	A35
T1-1	B29	A37	T2-1	B29	A37
T1-1	B29	A45	T2-1	B29	A45
T1-1	B29	A46	T2-1	B29	A46
T1-1	B29	A49	T2-1	B29	A49
T1-1	B29	A54	T2-1	B29	A54
T1-1	B29	A66	T2-1	B29	A66
T1-1	B29	A67	T2-1	B29	A67
T1-1	B29	A68	T2-1	B29	A68
T1-1	B29	A69	T2-1	B29	A69
T1-1	B29	A70	T2-1	B29	A70
T1-1	B29	A76	T2-1	B29	A76
T1-1	B29	A77	T2-1	B29	A77
T1-1	B29	A78	T2-1	B29	A78
T1-1	B29	A106	T2-1	B29	A106
T1-1	B29	A110	T2-1	B29	A110
T2-2	B29	A2	T2-3	B29	_A2
T2-2	B29	A5	T2-3	B29	A5
T2-2	B29	A35	T2-3	B29	A35
T2-2	B29	A37	T2-3	B29	A37
T2-2	B29	A45	T2-3	B29	A45
T2-2	B29	A46	T2-3	B29	.446
T2-2	B29	A49	T2-3	B29	A49
T2-2	B29	A54	T2-3	B29	A54
T2-2	B29	A66	T2-3	B29	A66
T2-2	B29	A67	T2-3	B29	A67

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Table 25

T2-2 B29 A68 T2-3 B29 A69 T2-2 B29 A69 T2-3 B29 A69 T2-2 B29 A76 T2-3 B29 A70 T2-2 B29 A76 T2-3 B29 A76 T2-2 B29 A77 T2-3 B29 A77 T2-2 B29 A78 T2-3 B29 A106 T2-2 B29 A106 T2-3 B29 A106 T2-2 B29 A106 T2-3 B29 A106 T2-4 B29 A2 T2-5 B29 A3 T2-4 B29 A3 T2-5 B29 A3 T2-4 B29 A35 T2-5 B29 A3 T2-4 B29 A45 T2-5 B29 A45 T2-4 B29 A46 T2-5 B29 A46 T2-4 B29 A46 T2-5 B29 A69 </th <th></th> <th>Table 25</th> <th></th> <th></th> <th></th> <th></th> <th></th>		Table 25					
T2-2 B29 A70 T2-3 B29 A70 T2-2 B29 A76 T2-3 B29 A76 T2-2 B29 A76 T2-3 B29 A76 T2-2 B29 A77 T2-3 B29 A77 T2-2 B29 A77 T2-3 B29 A78 T2-2 B29 A77 T2-3 B29 A78 T2-2 B29 A78 T2-3 B29 A106 T2-2 B29 A106 T2-3 B29 A106 T2-2 B29 A100 T2-3 B29 A106 T2-4 B29 A2 T2-5 B29 A2 T2-4 B29 A35 T2-5 B29 A35 T2-4 B29 A35 T2-5 B29 A35 T2-4 B29 A35 T2-5 B29 A35 T2-4 B29 A45 T2-5 B29 A45 T2-4 B29 A45 T2-5 B29 A45 T2-4 B29 A46 T2-5 B29 A46 T2-4 B29 A46 T2-5 B29 A66 T2-4 B29 A66 T2-5 B29 A66 T2-4 B29 A67 T2-5 B29 A66 T2-4 B29 A68 T2-5 B29 A67 T2-4 B29 A68 T2-5 B29 A68 T2-4 B29 A68 T2-5 B29 A68 T2-4 B29 A70 T2-5 B29 A76 T2-4 B29 A77 T2-5 B29 A76 T2-1 B29 A76 T2-1 B29 A35 T5-1 B29 A35 T7-1 B29 A35 T5-1 B29 A36 T7-1 B29 A36		T2-2	B29	A68	T2-3	B29	A68
T2-2	5	T2-2	B29	A69	T2-3	B29	A69
T2-2 B29		T2-2	B29	A70	T2-3	B29	A70
T2-2 B29		T2-2	B29	A76	T2-3	B29	A76
T2-2 B29			B29	A77	T2-3	B29	A77
T2-2 B29 A106 T2-3 B29 A106 T2-2 B29 A110 T2-3 B29 A110 T2-4 B29 A2 T2-5 B29 A2 T2-4 B29 A35 T2-5 B29 A35 T2-4 B29 A35 T2-5 B29 A35 T2-4 B29 A37 T2-5 B29 A35 T2-4 B29 A45 T2-5 B29 A45 T2-4 B29 A46 T2-5 B29 A46 T2-4 B29 A46 T2-5 B29 A46 T2-4 B29 A54 T2-5 B29 A46 T2-4 B29 A66 T2-5 B29 A66 T2-4 B29 A66 T2-5 B29 A66 T2-4 B29 A69 T2-5 B29 A70 T2-4 B29 A76 T2-5 B29 A70		} -	B29	A78	T2-3	B29	A78
T2-2 B29 A110 T2-3 B29 A110 T2-4 B29 A2 T2-5 B29 A2 T2-4 B29 A5 T2-5 B29 A3 T2-4 B29 A35 T2-5 B29 A35 T2-4 B29 A45 T2-5 B29 A45 T2-4 B29 A46 T2-5 B29 A46 T2-4 B29 A46 T2-5 B29 A46 T2-4 B29 A46 T2-5 B29 A49 T2-4 B29 A54 T2-5 B29 A49 T2-4 B29 A66 T2-5 B29 A66 T2-4 B29 A66 T2-5 B29 A68 T2-4 B29 A69 T2-5 B29 A68 T2-4 B29 A70 T2-5 B29 A70 T2-4 B29 A76 T2-5 B29 A77 <td>10</td> <td></td> <td>B29</td> <td>A106</td> <td>T2-3</td> <td>B29</td> <td>A106</td>	10		B29	A106	T2-3	B29	A106
T2.4 B29 A2 T2.5 B29 A2 T2.4 B29 A5 T2.5 B29 A3 T2.4 B29 A35 T2.5 B29 A35 T2.4 B29 A35 T2.5 B29 A37 T2.4 B29 A45 T2.5 B29 A45 T2.4 B29 A46 T2.5 B29 A46 T2.4 B29 A46 T2.5 B29 A49 T2.4 B29 A66 T2.5 B29 A69 T2.4 B29 A66 T2.5 B29 A66 T2.4 B29 A66 T2.5 B29 A69 T2.4 B29 A67 T2.5 B29 A69 T2.4 B29 A70 T2.5 B29 A69 T2.4 B29 A76 T2.5 B29 A70 T2.4 B29 A76 T2.5 B29 A77			B29	A110	T2-3	B29	A110
T2-4 B29 A5 T2-5 B29 A8 T2-4 B29 A35 T2-5 B29 A37 T2-4 B29 A45 T2-5 B29 A45 T2-4 B29 A46 T2-5 B29 A46 T2-4 B29 A46 T2-5 B29 A46 T2-4 B29 A44 T2-5 B29 A46 T2-4 B29 A54 T2-5 B29 A46 T2-4 B29 A66 T2-5 B29 A66 T2-4 B29 A66 T2-5 B29 A66 T2-4 B29 A68 T2-5 B29 A67 T2-4 B29 A69 T2-5 B29 A68 T2-4 B29 A76 T2-5 B29 A70 T2-4 B29 A76 T2-5 B29 A76 T2-4 B29 A77 T2-5 B29 A77 <td></td> <td></td> <td>B29</td> <td>A2</td> <td>T2-5</td> <td>B29</td> <td>A2</td>			B29	A2	T2-5	B29	A2
T2.4 B29 A35 T2.5 B29 A35 T2.4 B29 A37 T2.5 B29 A37 T2.4 B29 A45 T2.5 B29 A45 T2.4 B29 A46 T2.5 B29 A46 T2.4 B29 A49 T2.5 B29 A49 T2.4 B29 A66 T2.5 B29 A66 T2.4 B29 A66 T2.5 B29 A66 T2.4 B29 A66 T2.5 B29 A67 T2.4 B29 A68 T2.5 B29 A68 T2.4 B29 A69 T2.5 B29 A69 T2.4 B29 A70 T2.5 B29 A70 T2.4 B29 A76 T2.5 B29 A76 T2.4 B29 A76 T2.5 B29 A77 T2.4 B29 A77 T2.5 B29 A78 </td <td></td> <td>T2-4</td> <td>B29</td> <td>.A5</td> <td>T2-5</td> <td>B29</td> <td>A5</td>		T2-4	B29	.A5	T2-5	B29	A5
T2-4 B29 A37 T2-5 B29 A37 T2-4 B29 A45 T2-5 B29 A45 T2-4 B29 A46 T2-5 B29 A46 T2-4 B29 A49 T2-5 B29 A49 T2-4 B29 A66 T2-5 B29 A66 T2-4 B29 A66 T2-5 B29 A66 T2-4 B29 A68 T2-5 B29 A67 T2-4 B29 A68 T2-5 B29 A67 T2-4 B29 A69 T2-5 B29 A68 T2-4 B29 A70 T2-5 B29 A70 T2-4 B29 A76 T2-5 B29 A76 T2-4 B29 A77 T2-5 B29 A77 30 T2-4 B29 A78 T2-5 B29 A77 30 T2-4 B29 A71 T2-5 <td>15</td> <td></td> <td></td> <td>A35</td> <td>T2-5</td> <td>B29</td> <td>A35</td>	15			A35	T2-5	B29	A35
T2-4 B29			B29 '	A37	T2-5	B29	A37
20 T2-4 B29 A46 T2-5 B29 A46 T2-4 B29 A49 T2-5 B29 A49 T2-4 B29 A54 T2-5 B29 A54 T2-4 B29 A66 T2-5 B29 A66 T2-4 B29 A68 T2-5 B29 A67 T2-4 B29 A68 T2-5 B29 A68 T2-4 B29 A69 T2-5 B29 A69 T2-4 B29 A76 T2-5 B29 A76 T2-4 B29 A76 T2-5 B29 A76 T2-4 B29 A76 T2-5 B29 A76 T2-4 B29 A77 T2-5 B29 A77 T2-4 B29 A70 T2-5 B29 A78 T2-4 B29 A106 T2-5 B29 A78 T2-4 B29 A106 T2-5 B29<		T2-4	B29	A45	T2-5	B29	A45
T2-4 B29			B29	A46	T2-5	B29	A46
T2-4 B29 A54 T2-5 B29 A54 T2-4 B29 A66 T2-5 B29 A66 T2-4 B29 A67 T2-5 B29 A68 T2-4 B29 A68 T2-5 B29 A68 T2-4 B29 A69 T2-5 B29 A69 T2-4 B29 A76 T2-5 B29 A70 T2-4 B29 A76 T2-5 B29 A76 T2-4 B29 A77 T2-5 B29 A76 T2-4 B29 A78 T2-5 B29 A77 T2-4 B29 A106 T2-5 B29 A78 T2-4 B29 A100 T2-5 B29 A106 T2-4 B29 A10 T2-5 B29 A10 T2-4 B29 A5 T7-1 B29 A5 T5-1 B29 A5 T7-1 B29 A5 <td></td> <td><u> </u></td> <td>B29</td> <td>A49</td> <td>T2-5</td> <td>B29</td> <td>A49</td>		<u> </u>	B29	A49	T2-5	B29	A49
T2-4 B29 A67 T2-5 B29 A68 T2-4 B29 A68 T2-5 B29 A68 T2-4 B29 A69 T2-5 B29 A69 T2-4 B29 A70 T2-5 B29 A70 T2-4 B29 A70 T2-5 B29 A70 T2-4 B29 A76 T2-5 B29 A76 T2-4 B29 A76 T2-5 B29 A76 T2-4 B29 A77 T2-5 B29 A76 T2-4 B29 A77 T2-5 B29 A77 T2-4 B29 A78 T2-5 B29 A77 T2-4 B29 A106 T2-5 B29 A106 T2-4 B29 A106 T2-5 B29 A110 T3-1 B29 A2 T7-1 B29 A2 T5-1 B29 A35 T7-1 B29 A35 T5-1 B29 A35 T7-1 B29 A35 T5-1 B29 A45 T7-1 B29 A45 T5-1 B29 A46 T7-1 B29 A46 T5-1 B29 A46 T7-1 B29 A46 T5-1 B29 A46 T7-1 B29 A46 T5-1 B29 A66 T7-1 B29 A66 T5-1 B29 A68 T7-1 B29 A68 T5-1 B29 A69 T7-1 B29 A69 T5-1 B29 A69 T7-1 B29 A69 T5-1 B29 A69 T7-1 B29 A68	20		B29	A54	T2-5	B29	A54
T2-4 B29 A68 T2-5 B29 A68 T2-4 B29 A69 T2-5 B29 A69 T2-4 B29 A70 T2-5 B29 A70 T2-4 B29 A76 T2-5 B29 A76 T2-4 B29 A77 T2-5 B29 A77 T2-4 B29 A78 T2-5 B29 A78 T2-4 B29 A106 T2-5 B29 A106 T2-4 B29 A110 T2-5 B29 A106 T2-4 B29 A2 T7-1 B29 A2 T5-1 B29 A3 T7-1 B29 A3 T5-1 B29 A35 T7-1 B29 A35 T5-1 B29 A45 T7-1 B29 A45 T5-1 B29 A46 T7-1 B29 A46 T5-1 B29 A46 T7-1 B29 A46 </td <td></td> <td>T2-4</td> <td>B29</td> <td>A66</td> <td>T2-5</td> <td>B29</td> <td>A66</td>		T2-4	B29	A66	T2-5	B29	A66
25 T2-4 B29 A69 T2-5 B29 A69 T2-4 B29 A70 T2-5 B29 A70 T2-4 B29 A76 T2-5 B29 A76 T2-4 B29 A77 T2-5 B29 A77 T2-4 B29 A106 T2-5 B29 A106 T2-4 B29 A106 T2-5 B29 A106 T2-4 B29 A100 T2-5 B29 A106 T2-4 B29 A100 T2-5 B29 A100 T5-1 B29 A2 T7-1 B29 A2 T5-1 B29 A3 T7-1 B29 A3 T5-1 B29 A35 T7-1 B29 A35' T5-1 B29 A45 T7-1 B29 A46 T5-1 B29 A46 T7-1 B29 A46 T5-1 B29 A54 T7-1 B		T2-4	B29	A67	T2-5	B29	A67
T2-4 B29 A70 T2-5 B29 A76 T2-4 B29 A76 T2-5 B29 A76 T2-4 B29 A77 T2-5 B29 A77 T2-4 B29 A78 T2-5 B29 A77 T2-4 B29 A78 T2-5 B29 A78 T2-4 B29 A106 T2-5 B29 A106 T2-4 B29 A106 T2-5 B29 A106 T2-4 B29 A110 T2-5 B29 A110 T5-1 B29 A2 T7-1 B29 A2 T5-1 B29 A35 T7-1 B29 A35 T5-1 B29 A35 T7-1 B29 A35 T5-1 B29 A45 T7-1 B29 A45 T5-1 B29 A45 T7-1 B29 A46 T5-1 B29 A46 T7-1 B29 A46 T5-1 B29 A46 T7-1 B29 A46 T5-1 B29 A66 T7-1 B29 A66 T5-1 B29 A67 T7-1 B29 A68 T5-1 B29 A68 T7-1 B29 A68 T5-1 B29 A69 T7-1 B29 A68 T5-1 B29 A69 T7-1 B29 A69 T5-1 B29 A70 T7-1 B29 A70 T5-1 B29 A70 T7-1 B29 A70 T5-1 B29 A70 T7-1 B29 A76		T2-4	B29	A68	T2-5	B29	A68
T2-4 B29 A76 T2-5 B29 A76 T2-4 B29 A77 T2-5 B29 A77 T2-4 B29 A78 T2-5 B29 A78 T2-4 B29 A106 T2-5 B29 A106 T2-4 B29 A106 T2-5 B29 A106 T2-4 B29 A110 T2-5 B29 A110 T5-1 B29 A2 T7-1 B29 A2 T5-1 B29 A35 T7-1 B29 A35 T5-1 B29 A37 T7-1 B29 A35 T5-1 B29 A45 T7-1 B29 A45 T5-1 B29 A46 T7-1 B29 A45 T5-1 B29 A46 T7-1 B29 A46 T5-1 B29 A66 T7-1 B29 A46 T5-1 B29 A66 T7-1 B29 A66 T5-1 B29 A68 T7-1 B29 A68 T5-1 B29 A68 T7-1 B29 A68 T5-1 B29 A69 T7-1 B29 A69 T5-1 B29 A69 T5-1 B29 A69 T7-1 B29 A69 T5-1 B29 A67 T7-1 B29 A68 T5-1 B29 A68 T7-1 B29 A68 T5-1 B29 A68 T7-1 B29 A69 T5-1 B29 A69 T7-1 B29 A69 T5-1 B29 A70 T7-1 B29 A76 T5-1 B29 A76 T7-1 B29 A76 T5-1 B29 A76 T7-1 B29 A76	25	T2-4	B29	A69	T2-5	B29	A69
T2-4		T2-4	B29	A70	T2-5	B29	A70
30 T2-4 B29 A78 T2-5 B29 A78 T2-4 B29 A106 T2-5 B29 A106 T2-4 B29 A110 T2-5 B29 A110 T5-1 B29 A2 T7-1 B29 A2 T5-1 B29 A3 T7-1 B29 A3 T5-1 B29 A35 T7-1 B29 A35 T5-1 B29 A37 T7-1 B29 A35 T5-1 B29 A45 T7-1 B29 A37 T5-1 B29 A46 T7-1 B29 A46 T5-1 B29 A46 T7-1 B29 A46 T5-1 B29 A54 T7-1 B29 A54 T5-1 B29 A66 T7-1 B29 A66 T5-1 B29 A67 T7-1 B29 A67 T5-1 B29 A68 T7-1 B29 <td></td> <td>T2-4</td> <td>B29</td> <td>A76</td> <td>T2-5</td> <td>B29</td> <td>A76</td>		T2-4	B29	A76	T2-5	B29	A76
T2-4 B29 A106 T2-5 B29 A106 T2-4 B29 A110 T2-5 B29 A110 T5-1 B29 A2 T7-1 B29 A5 T5-1 B29 A35 T7-1 B29 A35 T5-1 B29 A37 T7-1 B29 A35 T5-1 B29 A45 T7-1 B29 A45 T5-1 B29 A46 T7-1 B29 A46 T5-1 B29 A46 T7-1 B29 A49 T5-1 B29 A66 T7-1 B29 A54 T5-1 B29 A66 T7-1 B29 A66 T5-1 B29 A68 T7-1 B29 A68 T5-1 B29 A68 T7-1 B29 A68 T5-1 B29 A69 T7-1 B29 A69 T5-1 B29 A70 T7-1 B29 A76 T5-1 B29 A76 T7-1 B29 A76 T5-1 B29 A76 T7-1 B29 A76 T5-1 B29 A76 T7-1 B29 A76		T2-4	B29	A77	T2-5	B29	A77
T2-4 B29 A110 T2-5 B29 A110 T5-1 B29 A2 T7-1 B29 A5 T5-1 B29 A5 T7-1 B29 A5 T5-1 B29 A35 T7-1 B29 A35 T5-1 B29 A37 T7-1 B29 A37 T5-1 B29 A45 T7-1 B29 A45 T5-1 B29 A45 T7-1 B29 A45 T5-1 B29 A46 T7-1 B29 A46 T5-1 B29 A46 T7-1 B29 A46 T5-1 B29 A54 T7-1 B29 A54 T5-1 B29 A66 T7-1 B29 A66 T5-1 B29 A66 T7-1 B29 A66 T5-1 B29 A68 T7-1 B29 A68 T5-1 B29 A68 T7-1 B29 A68 T5-1 B29 A69 T7-1 B29 A68 T5-1 B29 A69 T7-1 B29 A68 T5-1 B29 A70 T7-1 B29 A70 T5-1 B29 A76 T7-1 B29 A76 T5-1 B29 A76 T7-1 B29 A76 T5-1 B29 A77 T7-1 B29 A78	30	T2-4	B29	A78	T2-5	B29	A78
T5-1 B29 A5 T7-1 B29 A5 T5-1 B29 A5 T7-1 B29 A5 T5-1 B29 A35 T7-1 B29 A35 T5-1 B29 A45 T7-1 B29 A37 T5-1 B29 A45 T7-1 B29 A45 T5-1 B29 A46 T7-1 B29 A46 T5-1 B29 A46 T7-1 B29 A46 T5-1 B29 A46 T7-1 B29 A49 T5-1 B29 A66 T7-1 B29 A54 T5-1 B29 A66 T7-1 B29 A66 T5-1 B29 A66 T7-1 B29 A66 T5-1 B29 A68 T7-1 B29 A68 T5-1 B29 A68 T7-1 B29 A68 T5-1 B29 A69 T7-1 B29 A69 T5-1 B29 A70 T7-1 B29 A70 T5-1 B29 A70 T7-1 B29 A70 T5-1 B29 A76 T7-1 B29 A76 T5-1 B29 A76 T7-1 B29 A76		T2-4	B29	A106	T2-5		
T5-1 B29 A35 T7-1 B29 A35 T5-1 B29 A37 T7-1 B29 A37 T5-1 B29 A45 T7-1 B29 A37 T5-1 B29 A45 T7-1 B29 A45 T5-1 B29 A46 T7-1 B29 A46 T5-1 B29 A49 T7-1 B29 A49 T5-1 B29 A66 T7-1 B29 A66 T5-1 B29 A66 T7-1 B29 A66 T5-1 B29 A67 T7-1 B29 A67 T5-1 B29 A68 T7-1 B29 A68 T5-1 B29 A68 T7-1 B29 A68 T5-1 B29 A69 T7-1 B29 A69 T5-1 B29 A70 T7-1 B29 A69 T5-1 B29 A70 T7-1 B29 A70 T5-1 B29 A76 T7-1 B29 A76		T2-4	B29	A110	T2-5	B29	A110
T5-1 B29 A35 T7-1 B29 A35' T5-1 B29 A37 T7-1 B29 A37 T5-1 B29 A45 T7-1 B29 A45 T5-1 B29 A46 T7-1 B29 A46 T5-1 B29 A49 T7-1 B29 A49 T5-1 B29 A54 T7-1 B29 A54 T5-1 B29 A66 T7-1 B29 A66 T5-1 B29 A67 T7-1 B29 A67 45 T5-1 B29 A68 T7-1 B29 A68 T5-1 B29 A69 T7-1 B29 A69 T5-1 B29 A70 T7-1 B29 A70 T5-1 B29 A76 T7-1 B29 A76 T5-1 B29 A76 T7-1 B29 A76 T5-1 B29 A77 T7-1 B29 </td <td></td> <td>T5-1</td> <td>B29</td> <td>A2</td> <td>T7-1</td> <td></td> <td></td>		T5-1	B29	A2	T7-1		
T5-1 B29 A35 T7-1 B29 A37 T5-1 B29 A45 T7-1 B29 A45 T5-1 B29 A46 T7-1 B29 A46 T5-1 B29 A49 T7-1 B29 A49 T5-1 B29 A54 T7-1 B29 A54 T5-1 B29 A66 T7-1 B29 A66 T5-1 B29 A66 T7-1 B29 A66 T5-1 B29 A68 T7-1 B29 A68 T5-1 B29 A68 T7-1 B29 A68 T5-1 B29 A69 T7-1 B29 A69 T5-1 B29 A70 T7-1 B29 A70 T5-1 B29 A76 T7-1 B29 A76 T5-1 B29 A77 T7-1 B29 A76 T5-1 B29 A78 T7-1 B29 A78	25	T5-1	B29	Aõ	T7-1		
T5-1 B29 A45 T7-1 B29 A46 T5-1 B29 A46 T7-1 B29 A46 T5-1 B29 A49 T7-1 B29 A49 T5-1 B29 A54 T7-1 B29 A54 T5-1 B29 A66 T7-1 B29 A66 T5-1 B29 A66 T7-1 B29 A66 T5-1 B29 A67 T7-1 B29 A67 T5-1 B29 A68 T7-1 B29 A68 T5-1 B29 A69 T7-1 B29 A69 T5-1 B29 A70 T7-1 B29 A70 T5-1 B29 A76 T7-1 B29 A76 T5-1 B29 A76 T7-1 B29 A76 T5-1 B29 A77 T7-1 B29 A76 T5-1 B29 A77 T7-1 B29 A76	35	T5-1	B29	A35	T7-1		A35
T5-1 B29 A46 T7-1 B29 A46 T5-1 B29 A49 T7-1 B29 A49 T5-1 B29 A54 T7-1 B29 A54 T5-1 B29 A66 T7-1 B29 A66 T5-1 B29 A67 T7-1 B29 A66 T5-1 B29 A68 T7-1 B29 A68 T5-1 B29 A69 T7-1 B29 A69 T5-1 B29 A70 T7-1 B29 A70 T5-1 B29 A76 T7-1 B29 A76 T5-1 B29 A76 T7-1 B29 A76 T5-1 B29 A77 T7-1 B29 A76 T5-1 B29 A78 T7-1 B29 A78		T5-1	B29	A37	T7-1		A37
40 T5-1 B29 A49 T7-1 B29 A49 T5-1 B29 A54 T7-1 B29 A54 T5-1 B29 A66 T7-1 B29 A66 T5-1 B29 A67 T7-1 B29 A67 T5-1 B29 A68 T7-1 B29 A68 T5-1 B29 A69 T7-1 B29 A69 T5-1 B29 A70 T7-1 B29 A70 T5-1 B29 A76 T7-1 B29 A76 T5-1 B29 A76 T7-1 B29 A76 T5-1 B29 A77 T7-1 B29 A76 T5-1 B29 A78 T7-1 B29 A78		T5-1	B29	A45	·		A45
T5-1 B29 A54 T7-1 B29 A54 T5-1 B29 A66 T7-1 B29 A66 T5-1 B29 A67 T7-1 B29 A67 T5-1 B29 A68 T7-1 B29 A68 T5-1 B29 A69 T7-1 B29 A69 T5-1 B29 A70 T7-1 B29 A70 T5-1 B29 A76 T7-1 B29 A76 T5-1 B29 A76 T7-1 B29 A76 T5-1 B29 A77 T7-1 B29 A76 T5-1 B29 A77 T7-1 B29 A78 T5-1 B29 A78 T7-1 B29 A78		T5-1	B29	A46			
T5-1 B29 A66 T7-1 B29 A66 T5-1 B29 A67 T7-1 B29 A67 T5-1 B29 A68 T7-1 B29 A68 T5-1 B29 A69 T7-1 B29 A69 T5-1 B29 A70 T7-1 B29 A70 T5-1 B29 A76 T7-1 B29 A76 T5-1 B29 A77 T7-1 B29 A77 T5-1 B29 A78 T7-1 B29 A78	40	T5-1	B29	A49	T7-1		
T5-1 B29 A67 T7-1 B29 A67 T5-1 B29 A68 T7-1 B29 A68 T5-1 B29 A69 T7-1 B29 A69 T5-1 B29 A70 T7-1 B29 A70 T5-1 B29 A76 T7-1 B29 A76 T5-1 B29 A77 T7-1 B29 A77 T5-1 B29 A78 T7-1 B29 A78		T5-1	B29	A54	T7-1		
45 T5-1 B29 A68 T7-1 B29 A68 T5-1 B29 A69 T7-1 B29 A69 T5-1 B29 A70 T7-1 B29 A70 T5-1 B29 A76 T7-1 B29 A76 T5-1 B29 A77 T7-1 B29 A77 50 T5-1 B29 A78 T7-1 B29 A78		T5-1	B29	A66			
T5-1 B29 A68 T7-1 B29 A68 T5-1 B29 A69 T7-1 B29 A69 T5-1 B29 A70 T7-1 B29 A70 T5-1 B29 A76 T7-1 B29 A76 T5-1 B29 A77 T7-1 B29 A77 T5-1 B29 A78 T7-1 B29 A78		T5-1	B29	A67	T7-1	·	
T5-1 B29 A69 T7-1 B29 A69 T5-1 B29 A70 T7-1 B29 A70 T5-1 B29 A76 T7-1 B29 A76 T5-1 B29 A77 T7-1 B29 A77 T5-1 B29 A78 T7-1 B29 A78 T5-1 B29 A78 T7-1 B29 A78	45		B29	_A68			
T5-1 B29 A76 T7-1 B29 A76 T5-1 B29 A77 T7-1 B29 A77 T5-1 B29 A78 T7-1 B29 A78 T5-1 B29 A78 T7-1 B29 A78	·-	T5-1	B29		4		
75-1 B29 A77 T7-1 B29 A77 T5-1 B29 A78 T7-1 B29 A78		T5-1	B29	A70			
50 T5-1 B29 A78 T7-1 B29 A78		T5-1	B29				
15-1 B29 A10 11-1 B20 11-10		T5-1	B29		4)		
T5-1 B29 A106 T7-1 B29 A106	50	T5-1	B29		·		
		T5-1	B29	A106	T7-1	B29	A106

Table 26

T5-1	B29	A110	T7-1	B29	A110
T1-1	B30	A2	T2-1	B30	A2
T1-1	B30	A5	T2-1	B30	A5
T1-1	B30	A35	T2-1	B30	A35
T1-1	B30	A37	T2-1	B30	A37
T1-1	B30	A45	T2-1	B30	A45
T1-1	B30	A46	T2-1	B30	A46
T1-1	B30	A49	T2-1	B30	A49
T1-1	B30	A54	T2-1	B30	A54
T1-1	B30	A66	T2-1	B30	A66
T1-1	B30	A67	T2-1	B30	A67
T1-1	B30	.A68	T2-1	B30	A68
T1-1	B30	A69	T2-1	B30	A69
T1-1	B30	A70 .	T2-1	B30	A70
T1-1	B30	A76	T2-1	B30	A76
T1-1	B30	A77	T2-1	B30	A77
T1-1_	B30	A78	T2-1	B30	A78
T1-1	B30	A106	T2-1	B30	A106
T1-1	B30	A110	T2-1	B30	A110
T2-2	B30	A2	T2-3	B30	A2
T2-2	B30	A5	T2-3	B30	A5
T2-2	B30	A35	T2-3	B30	A35
T2-2	B30	A37	T2-3	B30	A37
T2-2	B30	A45	T2-3	B30	A45
T2-2	B30	A46	T2-3	B30	A46
T2-2	B30	A49	T2-3	B30	A49
T2-2	B30	A54	T2-3	B30	A54
T2-2	B30	A66	T2-3 ·	B30	A66
T2-2	B30	A67	T2-3	B30	A67
T2-2	B30	A68	T2-3	B30	A68
T2-2	B30	A69	T2-3	B30	A69
T2-2	B30	A70	T2-3	B30	A70
T2-2	B30	A76	T2-3	B30	A76
T2-2	B30	A77	T2-3	B30	A77
T2-2	B30	A78	T2-3	B30	A78
T2-2	B30	A106	T2-3	B30	A106
T2-2	B30	A110	T2-3	B30	A110
T2-4	B30	A2	T2-5	B30 -	A2
T2-4	B30	Āō	T2-5	B30	A5
T2-4	B30	A35	T2.5	B30	A35
T2-4	B30	A37	T2-5	B30	A37
T2-4	B30	A45	T2-5	B30	A45
T2-4	B30	A46	T2-5	B30	A46

Γ.	able 27					
{	T2-4	B30	A49	T2-5	B30	A49
5	T2-4	B30	A54	T2-5	B30	A54
	T2-4	B30	A66	T2-5	B30	A66
	T2-4	B30	A67	T2-5	B30	A67
}	T2-4	B30	A68	T2-5	B30	A68
	T2-4	B30 •	A69	T2-5	B30	A69
10	T2-4	B30	A70	T2-5	B30	A70
	T2-4	B30	A76	T2-5	B30	A76
	T2-4	B30	A77	T2-5	B30	A77
	T2-4	B30	A78	T2-5	B30	A78
15	T2-4	B30	A106	T2-5	B30	A106
	T2-4	B30	A110	T2-5	B30	A110
	T5-1	B30	A2	T7-1	B30	A2
	T5-1	B30	A5	T7-1	B30	A5
20	T5-1	B30	A35	T7-1	B30	A35
	T5-1	B30	A37	T7-1	B30	A37
	T5-1	B30	A45	T7-1	B30	A45
	T5-1	B30	A46	T7-1	B30	A46
	T5-1	B30	A49	T7-1	B30	A49
25	T5-1	B30	A54	T7-1	B30	A54
	T5-1	B30	A66	T7-1	B30	A66
	T5-1	B30	A67	T7-1	B30	A67
	T5-1	B30	A68	T7-1	B30	A68
30	T5-1	B30	A69	T7-1	B30	A69
	T5-1	B30	A70	T7-1	B30	A70
	T5-1	B30	A7.6	T7-1	B30	A76
	T5-1	B30	A77	T7-1	B30	A77
35	T5-1	B30	A78	T7-1	B30	A78
	T5-1	B30	A106	T7-1	B30	A106
	T5-1	B30	A110	T7-1	B30	A110
•	T1-1	B31	A2	T2-1	B31	A2
40	T1-1	B31	A5	T2-1	B31	A5
40	T1-1	B31	A35	T2-1	B31	A35
	T1-1	B31	A37	T2-1	B31	A37
	T1-1	B31	A45	T2-1	B31	A45
	T1-1	B31	A46	T2-1	B31	A46
45	T1-1	B31	A49	T2-1	B31	.449
	T1-1	B31	A54	T2-1	B31	A54
	T1-1	B31	A66	T2-1	B31	.466
	T1-1	B31	A67	T2-1	B31	A67
50	T1-1	B31	A68	T2-1	B31	A68
	T1-1	B31	A69	T2-1	B31	A69

65

B31

A70

B31

Table 28

T1-1	B31	A76	T2-1	B31	A76
T1-1	B31	A77	T2-1	B31	A77
T1-1	B31	A78	T2-1	B31	A78
T1-1	B31	A106	T2-1	B31	A106
T1-1	B31	A110	T2-1	B31	A110
T2-2	B31	A2	T2-3	⁹ B31	A2
T2-2	B31	A5	T2-3	B31	A5
T2-2	B31	A35	T2-3	B31	A35
T2-2	B31	A37	T2-3	B31	A37
T2-2	B31	A45	T2-3	B31	A45
T2-2	B31	A46	T2-3	B31	A46
T2-2	B31	A49	T2-3	B31	A49
T2-2	B31	A54	T2.3	B31	A54
T2-2	B31	A66	T2.3	B31	A66
T2-2	B31	A67	T2-3	B31	A67
T2-2	B31	A68	T2-3	B31	A68
T2-2	B31	A69	T2-3	B31	A69
T2-2	B31	A70	T2.3	B31	A70
T2-2	B31	A76	T2-3	B31	A76
T2-2	B31	A77	T2-3	B31	A77
T2-2	B31	A78	T2-3	B31	A78
T2-2	B31	A106	T2-3	B31	A106
T2-2	B31	AI 10	T2-3	B31	A110
T2-4	B31	A2	T2-5	B31	A2
T2-4	B31	A5	T2-5	B31	A5
T2-4	B31	A35	T2-5	B31	A35
T2-4	B31	A37_	T2-5	B31	A37
T2-4	B31	A45	T2-5	B31	A45
T2-4	B31	.446	T2-5	B31	A46
T2-4	B31	A49	T2-5	B31	A49
T2-4	B31	A54	T2-5	B31	A54
T2-4	B31	A66	T2-5	B31	A66
T2-4	B31	A67	T2-5	B31	A67
T2-4	B31	A68	T2-5	B31	A68
T2-4	B31	A69	T2-5	B31	A69
T2-4	B31	A70	T2-5	B31	A70
T2-4	B31	A76	T2-5	B31	-A76
T2-4	B31	A77	T2-5	B31	A77
T2-4	B31	A78	T2-5	B31	A78
T2-4	B31	A106	T2-5	B31	A106
T2-4	B31	A110	T2.5	B31	A110
T5-1	B31	A2	T7-1	B31	A2
T5-1	B31	A5	T7-1	B31	A5

T5-1		Table 29					
T5-1		T5-1	B31	A35	T7-1	B31	A35
T5-1	5			A37	T7-1	B31	A37
T5-1	-	<u> </u>		A45	T7-1	B31	A45
T5-1				A46	T7-1	B31	A46
T5-1				A49	T7-1	B31	A49
T5-1 B31 A66 T7-1 B31 A66 T5-1 B31 A67 T7-1 B31 A68 T5-1 B31 A68 T7-1 B31 A68 T5-1 B31 A68 T7-1 B31 A69 T5-1 B31 A69 T7-1 B31 A69 T5-1 B31 A70 T7-1 B31 A70 T5-1 B31 A70 T7-1 B31 A70 T5-1 B31 A76 T7-1 B31 A70 T5-1 B31 A76 T7-1 B31 A76 T5-1 B31 A76 T7-1 B31 A76 T5-1 B31 A76 T7-1 B31 A76 T5-1 B31 A77 T7-1 B31 A78 T5-1 B31 A78 T7-1 B31 A78 T5-1 B31 A106 T7-1 B31 A106 T5-1 B31 A110 T7-1 B31 A106 T1-1 B32 A2 T2-1 B32 A2 T1-1 B32 A35 T2-1 B32 A35 T1-1 B32 A35 T2-1 B32 A35 T1-1 B32 A36 T2-1 B32 A45 T1-1 B32 A46 T2-1 B32 A46 T1-1 B32 A46 T2-1 B32 A46 T1-1 B32 A66 T2-1 B32 A66 T1-1 B32 A66 T2-1 B32 A67 T1-1 B32 A67 T2-1 B32 A66 T1-1 B32 A77 T2-1 B32 A69 T1-1 B32 A70 T2-1 B32 A70 T1-1 B32 A70 T2-1 B32 A70 T1-1 B32 A70 T2-1 B32 A69 T1-1 B32 A70 T2-1 B32 A70				A54	T7-1	B31	A54
T5-1	10			A66	T7-1	B31	A66
T5-1				A67	T7-1	B31	A67
15				A68	T7-1	B31	A68
T5-1	•	T5-1	B31	A69	T7-1	B31	A69
T5-1	15		B31	A70	T7-1	B31	A70
T5-1			B31	A76	T7-1	B31	
T5-1		T5-1	B31	A77	T7-1		
T5-1		T5-1	B31	A78	T7-1		
T5-1	20	T5-1	B31	A106	T7-1	B31	A106
T1-1 B32 A5 T2-1 B32 A35 T1-1 B32 A35 T2-1 B32 A35 T1-1 B32 A37 T2-1 B32 A37 T1-1 B32 A45 T2-1 B32 A45 T1-1 B32 A45 T2-1 B32 A45 T1-1 B32 A46 T2-1 B32 A46 T1-1 B32 A49 T2-1 B32 A46 T1-1 B32 A54 T2-1 B32 A66 T1-1 B32 A66 T2-1 B32 A66 T1-1 B32 A67 T2-1 B32 A66 T1-1 B32 A67 T2-1 B32 A66 T1-1 B32 A69 T2-1 B32 A69 T1-1 B32 A69 T2-1 B32 A69 T1-1 B32 A70 T2-1 B32 A69 T1-1 B32 A70 T2-1 B32 A70 T1-2 B32 A70 T2-1 B32 A100 T2-2 B32 A70 T2-1 B32 A100 T2-2 B32 A5 T2-3 B32 A2 T2-2 B32 A5 T2-3 B32 A2 T2-2 B32 A35 T2-3 B32 A35 T2-2 B32 A46 T2-3 B32 A46 T2-2 B32 A46 T2-3 B32 A46		T5-1	B31	A110	T7-1	B31	A110_
T1-1 B32 A5 T2-1 B32 A35 T1-1 B32 A35 T2-1 B32 A35 T1-1 B32 A37 T2-1 B32 A37 T1-1 B32 A45 T2-1 B32 A45 T1-1 B32 A46 T2-1 B32 A46 T1-1 B32 A49 T2-1 B32 A49 30 T1-1 B32 A54 T2-1 B32 A49 T1-1 B32 A54 T2-1 B32 A49 T1-1 B32 A66 T2-1 B32 A66 T1-1 B32 A66 T2-1 B32 A66 T1-1 B32 A68 T2-1 B32 A69 T1-1 B32 A70 T2-1 B32 A70 T1-1 B32 A76 T2-1 B32 A76 T1-1 B32 A77 T2-1 B32 A77 T1-1 B32 A77 T2-1 B32 A106		T1-1	B32	A2	T2-1	B32	A2
T1-1 B32 A37 T2-1 B32 A45 T1-1 B32 A45 T2-1 B32 A45 T1-1 B32 A46 T2-1 B32 A46 T1-1 B32 A49 T2-1 B32 A49 30 T1-1 B32 A54 T2-1 B32 A54 T1-1 B32 A66 T2-1 B32 A66 T1-1 B32 A66 T2-1 B32 A66 T1-1 B32 A66 T2-1 B32 A66 T1-1 B32 A68 T2-1 B32 A67 T1-1 B32 A69 T2-1 B32 A69 T1-1 B32 A70 T2-1 B32 A76 T1-1 B32 A76 T2-1 B32 A76 T1-1 B32 A77 T2-1 B32 A77 T1-1 B32 A106 T2-1 B32 </td <td></td> <td></td> <td>B32</td> <td>A5</td> <td>T2-1</td> <td>B32</td> <td></td>			B32	A5	T2-1	B32	
T1-1 B32 A45 T2-1 B32 A45 T1-1 B32 A46 T2-1 B32 A46 T1-1 B32 A49 T2-1 B32 A49 T1-1 B32 A49 T2-1 B32 A54 T1-1 B32 A54 T2-1 B32 A59 T1-1 B32 A54 T2-1 B32 A59 T1-1 B32 A66 T2-1 B32 A66 T1-1 B32 A66 T2-1 B32 A66 T1-1 B32 A66 T2-1 B32 A66 T1-1 B32 A67 T2-1 B32 A66 T1-1 B32 A68 T2-1 B32 A69 T1-1 B32 A69 T2-1 B32 A69 T1-1 B32 A70 T2-1 B32 A69 T1-1 B32 A70 T2-1 B32 A70 T1-1 B32 A70 T2-1 B32 A100 T1-1 B32 A100 T1-1 B32 A70 T2-1 B32 A100 T1-1 B32 A100 T1-1 B32 A10		T1-1	B32	A35	T2-1		
T1-1 B32 A45 T2-1 B32 A46 T1-1 B32 A46 T2-1 B32 A46 T1-1 B32 A49 T2-1 B32 A49 T1-1 B32 A54 T2-1 B32 A54 T1-1 B32 A66 T2-1 B32 A66 T1-1 B32 A66 T2-1 B32 A67 T1-1 B32 A68 T2-1 B32 A67 T1-1 B32 A68 T2-1 B32 A69 T1-1 B32 A69 T2-1 B32 A69 T1-1 B32 A70 T2-1 B32 A70 T1-1 B32 A76 T2-1 B32 A76 T1-1 B32 A77 T2-1 B32 A78 T1-1 B32 A78 T2-1 B32 A78 T1-1 B32 A106 T2-1 B32 A106 T1-1 B32 A2 T2-3 B32 A3	25		B32	A37	T2-1	B32	
T1-1 B32 A49 T2-1 B32 A49 T1-1 B32 A54 T2-1 B32 A54 T1-1 B32 A66 T2-1 B32 A66 T1-1 B32 A66 T2-1 B32 A66 T1-1 B32 A67 T2-1 B32 A67 T1-1 B32 A68 T2-1 B32 A68 T1-1 B32 A69 T2-1 B32 A69 T1-1 B32 A69 T2-1 B32 A69 T1-1 B32 A70 T2-1 B32 A69 T1-1 B32 A70 T2-1 B32 A70 T1-1 B32 A76 T2-1 B32 A70 T1-1 B32 A77 T2-1 B32 A76 T1-1 B32 A77 T2-1 B32 A77 T1-1 B32 A78 T2-1 B32 A78 T1-1 B32 A106 T2-1 B32 A78 T1-1 B32 A100 T2-1 B32 A106 T1-1 B32 A100 T2-1 B32 A106 T1-2 B32 A2 T2-3 B32 A2 T2-2 B32 A35 T2-3 B32 A35 T2-2 B32 A37 T2-3 B32 A35 T2-2 B32 A45 T2-3 B32 A45 T2-2 B32 A46 T2-3 B32 A45 T2-2 B32 A46 T2-3 B32 A46 T2-2 B32 A49 T2-3 B32 A49			B32	A45	T2-1		
30 T1-1 B32 A54 T2-1 B32 A54 T1-1 B32 A66 T2-1 B32 A66 T1-1 B32 A67 T2-1 B32 A67 T1-1 B32 A68 T2-1 B32 A68 T1-1 B32 A69 T2-1 B32 A69 T1-1 B32 A70 T2-1 B32 A70 T1-1 B32 A76 T2-1 B32 A70 T1-1 B32 A76 T2-1 B32 A76 T1-1 B32 A77 T2-1 B32 A76 T1-1 B32 A77 T2-1 B32 A77 T1-1 B32 A78 T2-1 B32 A78 T1-1 B32 A106 T2-1 B32 A106 T1-1 B32 A106 T2-1 B32 A106 T1-1 B32 A2 T2-3 B32		T1-1	B32	A46	T2-1		
T1-1 B32 A66 T2-1 B32 A66 T1-1 B32 A67 T2-1 B32 A67 T1-1 B32 A68 T2-1 B32 A68 T1-1 B32 A68 T2-1 B32 A68 T1-1 B32 A69 T2-1 B32 A69, T1-1 B32 A70 T2-1 B32 A70 T1-1 B32 A70 T2-1 B32 A70 T1-1 B32 A76 T2-1 B32 A76 T1-1 B32 A76 T2-1 B32 A76 T1-1 B32 A77 T2-1 B32 A77 T1-1 B32 A78 T2-1 B32 A78 T1-1 B32 A106 T2-1 B32 A106 T1-1 B32 A106 T2-1 B32 A106 T1-1 B32 A110 T2-1 B32 A110 T2-2 B32 A2 T2-3 B32 A2 T2-2 B32 A35 T2-3 B32 A35 T2-2 B32 A35 T2-3 B32 A35 T2-2 B32 A45 T2-3 B32 A37 T2-2 B32 A46 T2-3 B32 A45 T2-2 B32 A46 T2-3 B32 A46 T2-2 B32 A49 T2-3 B32 A49		T1-1	B32	A49	T2-1		
T1-1 B32 A68 T2-1 B32 A68 T1-1 B32 A69 T2-1 B32 A69 T1-1 B32 A69 T2-1 B32 A69 T1-1 B32 A70 T2-1 B32 A70 T1-1 B32 A70 T2-1 B32 A70 T1-1 B32 A76 T2-1 B32 A76 T1-1 B32 A76 T2-1 B32 A76 T1-1 B32 A77 T2-1 B32 A77 T1-1 B32 A78 T2-1 B32 A78 T1-1 B32 A78 T2-1 B32 A78 T1-1 B32 A106 T2-1 B32 A106 T1-1 B32 A106 T2-1 B32 A106 T1-1 B32 A110 T2-1 B32 A110 T2-2 B32 A2 T2-3 B32 A2 T2-2 B32 A35 T2-3 B32 A35 T2-2 B32 A35 T2-3 B32 A35 T2-2 B32 A45 T2-3 B32 A45 T2-2 B32 A46 T2-3 B32 A45 T2-2 B32 A46 T2-3 B32 A46	30	T1-1	B32	A54			
T1-1 B32 A68 T2-1 B32 A68 T1-1 B32 A69 T2-1 B32 A69 T1-1 B32 A70 T2-1 B32 A70 T1-1 B32 A76 T2-1 B32 A76 T1-1 B32 A76 T2-1 B32 A76 T1-1 B32 A76 T2-1 B32 A76 T1-1 B32 A77 T2-1 B32 A77 T1-1 B32 A78 T2-1 B32 A78 T1-1 B32 A78 T2-1 B32 A78 T1-1 B32 A106 T2-1 B32 A106 T1-1 B32 A106 T2-1 B32 A106 T1-1 B32 A110 T2-1 B32 A100 T2-2 B32 A2 T2-3 B32 A2 T2-2 B32 A5 T2-3 B32 A5 T2-2 B32 A35 T2-3 B32 A35 T2-2 B32 A37 T2-3 B32 A37 T2-2 B32 A45 T2-3 B32 A45 T2-2 B32 A46 T2-3 B32 A45 T2-2 B32 A46 T2-3 B32 A46		T1-1	B32				
T1-1 B32 A69 T2-1 B32 A69 T1-1 B32 A70 T2-1 B32 A70 T1-1 B32 A76 T2-1 B32 A76 T1-1 B32 A76 T2-1 B32 A76 T1-1 B32 A77 T2-1 B32 A77 T1-1 B32 A78 T2-1 B32 A78 T1-1 B32 A106 T2-1 B32 A106 T1-1 B32 A106 T2-1 B32 A106 T1-1 B32 A110 T2-1 B32 A110 T2-2 B32 A2 T2-3 B32 A2 T2-2 B32 A5 T2-3 B32 A5 T2-2 B32 A35 T2-3 B32 A35 T2-2 B32 A35 T2-3 B32 A35 T2-2 B32 A37 T2-3 B32 A37 T2-2 B32 A45 T2-3 B32 A45 T2-2 B32 A46 T2-3 B32 A46 T2-2 B32 A46 T2-3 B32 A46		T1-1	B32				
T1-1 B32 A70 T2-1 B32 A70 T1-1 B32 A76 T2-1 B32 A76 T1-1 B32 A77 T2-1 B32 A77 T1-1 B32 A78 T2-1 B32 A78 T1-1 B32 A78 T2-1 B32 A78 T1-1 B32 A106 T2-1 B32 A106 T1-1 B32 A106 T2-1 B32 A106 T1-1 B32 A110 T2-1 B32 A110 T2-2 B32 A2 T2-3 B32 A2 T2-2 B32 A5 T2-3 B32 A5 T2-2 B32 A35 T2-3 B32 A35 T2-2 B32 A37 T2-3 B32 A37 T2-2 B32 A45 T2-3 B32 A37 T2-2 B32 A45 T2-3 B32 A45 T2-2 B32 A46 T2-3 B32 A45 T2-2 B32 A46 T2-3 B32 A46		T1-1	B32	A68			
T1-1 B32 A76 T2-1 B32 A76 T1-1 B32 A76 T2-1 B32 A76 T1-1 B32 A77 T2-1 B32 A77 T1-1 B32 A78 T2-1 B32 A78 T1-1 B32 A106 T2-1 B32 A106 T1-1 B32 A106 T2-1 B32 A106 T1-1 B32 A100 T2-1 B32 A110 T2-2 B32 A2 T2-3 B32 A2 T2-2 B32 A5 T2-3 B32 A5 T2-2 B32 A35 T2-3 B32 A35 T2-2 B32 A37 T2-3 B32 A37 T2-2 B32 A45 T2-3 B32 A37 T2-2 B32 A45 T2-3 B32 A45 T2-2 B32 A45 T2-3 B32 A45 T2-2 B32 A45 T2-3 B32 A45 T2-2 B32 A46 T2-3 B32 A46 T2-2 B32 A46 T2-3 B32 A46	35	T1-1	B32	A69			
T1-1 B32 A77 T2-1 B32 A78 T1-1 B32 A78 T2-1 B32 A78 T1-1 B32 A106 T2-1 B32 A106 T1-1 B32 A110 T2-1 B32 A110 T2-2 B32 A2 T2-3 B32 A2 T2-2 B32 A5 T2-3 B32 A5 T2-2 B32 A35 T2-3 B32 A35 T2-2 B32 A37 T2-3 B32 A37 T2-2 B32 A45 T2-3 B32 A37 T2-2 B32 A45 T2-3 B32 A45 T2-2 B32 A46 T2-3 B32 A46 T2-2 B32 A46 T2-3 B32 A46		T1-1	B32				
40 T1-1 B32 A78 T2-1 B32 A78 T1-1 B32 A106 T2-1 B32 A106 T1-1 B32 A110 T2-1 B32 A110 T2-2 B32 A2 T2-3 B32 A2 T2-2 B32 A5 T2-3 B32 A5 T2-2 B32 A35 T2-3 B32 A35 T2-2 B32 A37 T2-3 B32 A37 T2-2 B32 A45 T2-3 B32 A37 T2-2 B32 A45 T2-3 B32 A45 T2-2 B32 A45 T2-3 B32 A45 T2-2 B32 A45 T2-3 B32 A45 T2-2 B32 A46 T2-3 B32 A46 T2-2 B32 A46 T2-3 B32 A46		T1-1	B32				
40 T1-1 B32 A106 T2-1 B32 A106 T1-1 B32 A110 T2-1 B32 A110 T2-2 B32 A2 T2-3 B32 A2 T2-2 B32 A5 T2-3 B32 A5 T2-2 B32 A35 T2-3 B32 A35 T2-2 B32 A37 T2-3 B32 A37 T2-2 B32 A45 T2-3 B32 A37 T2-2 B32 A45 T2-3 B32 A45 T2-2 B32 A45 T2-3 B32 A45 T2-2 B32 A46 T2-3 B32 A46 T2-2 B32 A46 T2-3 B32 A46 T2-2 B32 A49 T2-3 B32 A49 T2-2 B32 A54 T2-3 B32 A49		T1-1	B32				
T1-1 B32 A110 T2-1 B32 A110 T2-2 B32 A2 T2-3 B32 A2 T2-2 B32 A5 T2-3 B32 A5 T2-2 B32 A35 T2-3 B32 A5 T2-2 B32 A35 T2-3 B32 A35 T2-2 B32 A37 T2-3 B32 A37 T2-2 B32 A45 T2-3 B32 A45 T2-2 B32 A45 T2-3 B32 A45 T2-2 B32 A46 T2-3 B32 A46 T2-2 B32 A49 T2-3 B32 A49 T2-2 B32 A54 T2-3 B32 A49 T2-2 B32 A54 T2-3 B32 A49		T1-1	B32		·		
T2-2 B32 A2 T2-3 B32 A2 T2-2 B32 A5 T2-3 B32 A5 T2-2 B32 A35 T2-3 B32 A35 T2-2 B32 A35 T2-3 B32 A35 T2-2 B32 A37 T2-3 B32 A37 T2-2 B32 A45 T2-3 B32 A45 T2-2 B32 A46 T2-3 B32 A46 T2-2 B32 A49 T2-3 B32 A49 T2-2 B32 A54 T2-3 B32 A49	40	T1-1	B32		·		
T2-2 B32 A5 T2-3 B32 A5 T2-2 B32 A35 T2-3 B32 A35 T2-2 B32 A37 T2-3 B32 A37 T2-2 B32 A45 T2-3 B32 A45 T2-2 B32 A46 T2-3 B32 A46 T2-2 B32 A49 T2-3 B32 A49 T2-2 B32 A54 T2-3 B32 A49 T2-2 B32 A54 T2-3 B32 A54		T1-1	B32	A110			
45 T2-2 B32 A35 T2-3 B32 A35 T2-2 B32 A37 T2-3 B32 A37 T2-2 B32 A45 T2-3 B32 A45 T2-2 B32 A46 T2-3 B32 A46 T2-2 B32 A49 T2-3 B32 A49 T2-2 B32 A54 T2-3 B32 A54		T2-2	B32		()		A2
T2-2 B32 A37 T2-3 B32 A37 T2-2 B32 A45 T2-3 B32 A45 T2-2 B32 A46 T2-3 B32 A46 T2-2 B32 A49 T2-3 B32 A49 T2-2 B32 A54 T2-3 B32 A54		T2-2	B32			1	
T2-2 B32 A45 T2-3 B32 A45 T2-2 B32 A46 T2-3 B32 A46 T2-2 B32 A49 T2-3 B32 A49 T2-2 B32 A54 T2-3 B32 A54	45	T2-2	B32		 		
T2-2 B32 A46 T2-3 B32 A46 T2-2 B32 A49 T2-3 B32 A49 T2-2 B32 A54 T2-3 B32 A54		T2-2					
50 T2-2 B32 A49 T2-3 B32 A49 T2-2 B32 A54 T2-3 B32 A54		T2-2	B32				
T2-2 B32 A54 T2-3 B32 A54			B32		()		
12-2	50		B32	A49			
T2-2 B32 A66 T2-3 B32 A66		T2-2	B32		()		
		T2-2	B32	A66	T2-3	B32	A66

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Table 30

Table 50			M 2.2	Dog 1	1.00
T2-2	B32	A67	T2-3	B32	A67
T2-2	B32	A68	T2-3	B32	A68
T2-2	B32	A69	T2-3	B32	A69
T2-2	B32	A70	T2-3	B32	A70
T2-2	B32	A76	T2-3	B32	A76
T2-2	B32	A77	T2-3	B32	A77
T2-2	B32	A78	T2-3	B32	A78
T2-2	B32	A106	T2-3	B32	A106
T2-2	B32	A110	T2-3	B32	A110
T2-4	B32	A2	T2-5	B32	A2
T2-4	B32	A5	T2-5	B32	Aō
T2-4	B32	A35	T2-5	B32	A35
T2-4	B32	A37	T2-5	B32	A37
T2-4 -	B32	A45	T2-5	B32	A45
T2-4	B32	A46	T2-5	B32	A46
T2-4	B32	A49	T2-5	B32	. 1 49
T2-4	B32	A54	T2-5	B32	A54
T2-4	B32	A66	T2.5	B32	A66
T2-4	B32	A67	T2-5	B32	A67
T2-4	B32	A68	T2-5	B32	A68
T2-4	B32	A69	T2-5	B32	A69
T2-4	B32	A70	T2-5	B32	A70
T2-4	B32	A76	T2-5	B32	A76
T2-4	B32	A77	T2-5	B32	A77
T2-4	B32	A78	T2-5	B32	A78
T2-4	B32	A106	T2-5	B32	A106
T2-4	B32	A110	T2-5	B32	A110
T5-1	B32	A2	T7-1	B32	A2
T5-1	B32	A5	T7-1	B32	A5
T5-1	B32	A35	T7-1	B32	A35
T5-1	B32	A37	T7-1	B32	A37
T5-1	B32	A45	T7-1	B32	A45
T5-1	B32	A46	T7-1	B32	A46
T5-1	B32	A49	T7-1	B32	A49
T5-1	B32	A54	T7-1	B32	A54
T5-1	B32	A66	T7-1	B32	A66
T5-1	B32	A67	T7-1	B32	A67
T5-1	B32	A68	T7-1	B32	A68
T5-1	B32	A69	T7-1	B32	A69
T5-1	B32	A70	T7-1	B32	A70
T5-1	B32	A76	T7-1	B32	A76
T5-1	B32	A77	T7-1	B32	A77
T5-1	B32	A78	T7-1	B32	A78

Table 31

1	T5-1	B32	A106	T7-1	B32	A106
	T5-1	B32	A110	T7-1_	B32	A110
	T1-1	B33	A2	T2-1	B33	A2
	T1-1	B33	A5	T2-1	B33	A5
	T1-1	B33	A35	T2-1	B33	A35
	T1-1	B33	A37	T2-1	B33	A37
0	T1-1	B33	A45	T2-1	B33	A45
	T1-1	B33	A46	T2-1	B33	A46
	T1-1	B33	A49	T2-1	B33	A49
	T1-1	B33	A54	T2-1	B33	A54
5 ·	T1-1	B33	A66	T2-1	B33	A66
	T1-1	B33	A67	T2-1	B33	A67
	T1-1	B33	A68	T2-1	B33	A68
	T1-1	B33	A69	T2-1	B33	A69
PO .	T1-1	B33	A70	T2-1	B33	A70
:0	T1-1	B33	A76	T2-1	B33	A76
	T1-1	B33	A77	T2-1 ·	B33	A77
•	T1-1	B33	A78	T2-1	B33	A78
	T1-1	B33	A106	T2-1	B33	A106
25	T1-1	B33	A110	T2-1	B33	A110
	T2-2	B33	A2	T2-3	B33	A2
	T2-2	B33	Αō	T2-3	B33	Aõ
	T2-2	B33	A35	T2-3	B33	A35
30	T2-2	B33	A37	T2-3	B33	A37
	T2-2	B33	A45	T2-3	B33	A45
	T2-2	B33	.446	T2-3	B33	A46
	T2-2	B33	A49	T2-3	B33	A49
,÷	T2-2	B33	A54	T2-3	B33	A54
35	T2-2	B33	A66	T2-3	B33	A66 ′
	T2-2	B33	A67	T2-3	B33	A67
	T2-2	B33	A68	T2-3	B33	A68
	T2-2	B33	A69	T2-3	B33	A69
10	T2-2	B33	A70	T2-3	B33	A70
	T2-2	B33	A76	T2-3	B33	A76
	T2-2	B33	A77	T2-3	B33	A77
	T2-2	B33	A78	T2-3	B33	A78
‡ 5	T2-2	B33	A106	T2-3	B33	A106
	T2-2	B33	A110	T2-3	B33	A110
	T2-4	B33	.42	T2-5	B33	A2
	T2-4	B33	A5	T2-5	B33	A5
	T2-4	B33	A35	T2-5	B33	A35
50	T2-4	B33	A37	T2-5	B33	A37
	T2-4	B33	A45	T2-5	B33	A45

Table 32

Table 32					
T2-4	B33	A46	T2-5	B33	A46
T2-4	B33 -	A49	T2-5	B33	A49
T2-4	B33	A54	T2-5	B33	A54
T2-4	B33	A66	T2-5	B33	A66
T2-4	B33	A67	T2-5	B33	A67
T2-4	B33	A68	T2-5	B33	A68
T2-4	B33	A69	T2-5	B33	A69
T2-4	B33	A70	T2-5	B33	A70
T2-4	B33	A76	T2-5	B33	A76
T2-4	B33	A77	T2-5	B33	A77
T2-4	B33	A78	T2-5	B33	A78
T2-4	B33	A106	T2-5	B33	A106
T2-4	B33	A110	T2-5	B33	A110
T5-1	B33	A2	T7-1	B33	A2
T5-1	B33	A5	T7-1	B33	A5
T5-1	B33	A35	T7-1	B33	A35
T5-1	B33	A37	T7-1	B33	A37
T5-1	B33	A45	T7-1	B33	A45
T5-1	B33	A46	T7-1	B33	A46
T5-1	B33	A49	T7-1	B33	A49
T5-1	B33	A54	T7-1	B33	A54
T5-1	B33	A66	T7-1	B33	A66
T5-1	B33	A67	T7-1	B33	A67
T5-1	B33	A68	T7-1	B33	A68
T5-1	B33	A69	T7-1	B33	A69
T5-1	B33	A70	T7-1	B33	A70
T5-1	B33	A76	T7-1	B33	A76
T5-1	B33	A77	T7-1	B33	A77
T5-1	B33	A78	T7-1	B33	A78
T5-1	B33	A106	T7-1	B33	A106
T5-1	B33	A110	T7-1	B33	A110
T1-1	B34	A2	T2-1	B34	A2
T1-1	B34	A5	T2-1	B34	A5
T1-1	B34	A35	T2-1	B34	A35
T1-1	B34	A37	T2-1	B34	A37
T1-1	B34	A45	T2-1	B34	A45
T1-1	B34	A46	T2-1	B34	A46
T1-1	B34	A49	T2-1	B34	A49
T1-1	B34	A54	T2-1	B34	.A54
T1-1	B34	A66	T2-1	B34	A66
T1-1		A67	T2-1	B34	A67
	B34 I	A07	H 1.4.1		
T1-1	B34 B34	A68	T2-1	B34	A68

Table 33

T1-1 B34 A70 T2-1 B34 A70 T1-1 B34 A76 T2-1 B34 A76 T1-1 B34 A77 T2-1 B34 A77 T1-1 B34 A78 T2-1 B34 A78 T1-1 B34 A106 T2-1 B34 A106 T1-1 B34 A110 T2-1 B34 A110 T2-2 B34 A2 T2-3 B34 A2 T2-2 B34 A5 T2-3 B34 A35 T2-2 B34 A35 T2-3 B34 A35 T2-2 B34 A35 T2-3 B34 A35 T2-2 B34 A45 T2-3 B34 A45 T2-2 B34 A45 T2-3 B34 A45 T2-2 B34 A46 T2-3 B34 A46 T2-2 B34 A46 T2-3 B34 A46<	1	able 55					
T1-1 B34 A77 T2-1 B34 A77 T1-1 B34 A78 T2-1 B34 A78 T1-1 B34 A106 T2-1 B34 A106 T1-1 B34 A110 T2-1 B34 A110 T2-2 B34 A2 T2-3 B34 A2 T2-2 B34 A5 T2-3 B34 A5 T2-2 B34 A35 T2-3 B34 A35 T2-2 B34 A37 T2-3 B34 A37 T2-2 B34 A45 T2-3 B34 A45 T2-2 B34 A45 T2-3 B34 A45 T2-2 B34 A46 T2-3 B34 A46 T2-2 B34 A46 T2-3 B34 A46 T2-2 B34 A66 T2-3 B34 A66 T2-2 B34 A66 T2-3 B34 A67 </th <th>[</th> <th>T1-1</th> <th>B34</th> <th>A70</th> <th>T2-1</th> <th>B34</th> <th>A70</th>	[T1-1	B34	A70	T2-1	B34	A70
T1-1 B34 A78 T2-1 B34 A78 T1-1 B34 A106 T2-1 B34 A106 T1-1 B34 A110 T2-1 B34 A110 T2-2 B34 A2 T2-3 B34 A2 T2-2 B34 A5 T2-3 B34 A5 T2-2 B34 A35 T2-3 B34 A35 T2-2 B34 A37 T2-3 B34 A37 T2-2 B34 A45 T2-3 B34 A45 T2-2 B34 A45 T2-3 B34 A45 T2-2 B34 A46 T2-3 B34 A46 T2-2 B34 A46 T2-3 B34 A46 T2-2 B34 A54 T2-3 B34 A66 T2-2 B34 A66 T2-3 B34 A66 T2-2 B34 A67 T2-3 B34 A67 </th <th>Ī</th> <th>T1-1</th> <th>B34</th> <th>A76</th> <th>T2-1</th> <th>B34</th> <th>A76</th>	Ī	T1-1	B34	A76	T2-1	B34	A76
T1-1 B34 A78 T2-1 B34 A78 T1-1 B34 A106 T2-1 B34 A106 T1-1 B34 A110 T2-1 B34 A110 T2-2 B34 A2 T2-3 B34 A2 T2-2 B34 A5 T2-3 B34 A3 T2-2 B34 A35 T2-3 B34 A35 T2-2 B34 A37 T2-3 B34 A35 T2-2 B34 A45 T2-3 B34 A45 T2-2 B34 A45 T2-3 B34 A45 T2-2 B34 A46 T2-3 B34 A46 T2-2 B34 A46 T2-3 B34 A46 T2-2 B34 A54 T2-3 B34 A66 T2-2 B34 A66 T2-3 B34 A66 T2-2 B34 A68 T2-3 B34 A67 </th <th>Ĭ</th> <th>T1-1</th> <th>B34</th> <th>A77</th> <th>T2-1</th> <th>B34</th> <th>A77</th>	Ĭ	T1-1	B34	A77	T2-1	B34	A77
T1-1 B34 A106 T2-1 B34 A106 T1-1 B34 A110 T2-1 B34 A110 T2-2 B34 A2 T2-3 B34 A2 T2-2 B34 A5 T2-3 B34 A5 T2-2 B34 A35 T2-3 B34 A35 T2-2 B34 A37 T2-3 B34 A37 T2-2 B34 A45 T2-3 B34 A45 T2-2 B34 A46 T2-3 B34 A46 T2-2 B34 A46 T2-3 B34 A46 T2-2 B34 A49 T2-3 B34 A49 T2-2 B34 A66 T2-3 B34 A66 T2-2 B34 A66 T2-3 B34 A66 T2-2 B34 A67 T2-3 B34 A67 T2-2 B34 A68 T2-3 B34 A69 </th <th>Ì</th> <th></th> <th>B34</th> <th>A78</th> <th>T2-1</th> <th>B34</th> <th>A78</th>	Ì		B34	A78	T2-1	B34	A78
T1-1 B34 A110 T2-1 B34 A110 T2-2 B34 A2 T2-3 B34 A2 T2-2 B34 A5 T2-3 B34 A5 T2-2 B34 A35 T2-3 B34 A35 T2-2 B34 A37 T2-3 B34 A37 T2-2 B34 A45 T2-3 B34 A45 T2-2 B34 A46 T2-3 B34 A46 T2-2 B34 A49 T2-3 B34 A49 T2-2 B34 A54 T2-3 B34 A54 T2-2 B34 A66 T2-3 B34 A66 T2-2 B34 A66 T2-3 B34 A67 T2-2 B34 A68 T2-3 B34 A68 T2-2 B34 A68 T2-3 B34 A69 T2-2 B34 A69 T2-3 B34 A70 <th>Ī</th> <th></th> <th>B34</th> <th>A106</th> <th>T2-1</th> <th>B34</th> <th>A106</th>	Ī		B34	A106	T2-1	B34	A106
T2-2 B34 A5 T2-3 B34 A5 T2-2 B34 A35 T2-3 B34 A35 T2-2 B34 A37 T2-3 B34 A37 T2-2 B34 A45 T2-3 B34 A45 T2-2 B34 A46 T2-3 B34 A46 T2-2 B34 A49 T2-3 B34 A49 T2-2 B34 A54 T2-3 B34 A54 T2-2 B34 A66 T2-3 B34 A66 T2-2 B34 A66 T2-3 B34 A66 T2-2 B34 A66 T2-3 B34 A67 T2-2 B34 A68 T2-3 B34 A68 T2-2 B34 A69 T2-3 B34 A69 T2-2 B34 A70 T2-3 B34 A70 T2-2 B34 A76 T2-3 B34 A76 <td></td> <td></td> <td>B34</td> <td>A110</td> <td>T2-1</td> <td>B34</td> <td>A110</td>			B34	A110	T2-1	B34	A110
T2-2 B34 A5 T2-3 B34 A5 T2-2 B34 A35 T2-3 B34 A35 T2-2 B34 A37 T2-3 B34 A37 T2-2 B34 A45 T2-3 B34 A45 T2-2 B34 A46 T2-3 B34 A46 T2-2 B34 A49 T2-3 B34 A49 T2-2 B34 A54 T2-3 B34 A54 T2-2 B34 A66 T2-3 B34 A66 T2-2 B34 A66 T2-3 B34 A67 T2-2 B34 A67 T2-3 B34 A67 T2-2 B34 A68 T2-3 B34 A69 T2-2 B34 A69 T2-3 B34 A70 T2-2 B34 A70 T2-3 B34 A76 T2-2 B34 A76 T2-3 B34 A76 <th>Ī</th> <th>T2-2</th> <th>B34</th> <th>A2</th> <th>T2-3</th> <th>B34</th> <th>A2</th>	Ī	T2-2	B34	A2	T2-3	B34	A2
T2-2 B34 A35 T2-3 B34 A35 T2-2 B34 A37 T2-3 B34 A37 T2-2 B34 A45 T2-3 B34 A45 T2-2 B34 A46 T2-3 B34 A46 T2-2 B34 A49 T2-3 B34 A49 T2-2 B34 A54 T2-3 B34 A54 T2-2 B34 A66 T2-3 B34 A66 T2-2 B34 A66 T2-3 B34 A67 T2-2 B34 A68 T2-3 B34 A67 T2-2 B34 A68 T2-3 B34 A68 T2-2 B34 A69 T2-3 B34 A69 T2-2 B34 A70 T2-3 B34 A76 T2-2 B34 A76 T2-3 B34 A76 T2-2 B34 A76 T2-3 B34 A76 </th <th>j</th> <th></th> <th>B34</th> <th>A5</th> <th>T2-3</th> <th>B34</th> <th>A5</th>	j		B34	A5	T2-3	B34	A5
T2-2 B34 A45 T2-3 B34 A45 T2-2 B34 A46 T2-3 B34 A46 T2-2 B34 A49 T2-3 B34 A49 T2-2 B34 A54 T2-3 B34 A54 T2-2 B34 A66 T2-3 B34 A66 T2-2 B34 A67 T2-3 B34 A67 T2-2 B34 A68 T2-3 B34 A68 T2-2 B34 A69 T2-3 B34 A69 T2-2 B34 A70 T2-3 B34 A70 T2-2 B34 A76 T2-3 B34 A76 T2-2 B34 A76 T2-3 B34 A76 T2-2 B34 A76 T2-3 B34 A76 T2-2 B34 A77 T2-3 B34 A77 T2-2 B34 A78 T2-3 B34 A78 </th <th>Ì</th> <th>T2-2</th> <th>B34</th> <th>A35</th> <th>T2-3</th> <th>B34</th> <th>A35</th>	Ì	T2-2	B34	A35	T2-3	B34	A35
T2-2 B34 A46 T2-3 B34 A46 T2-2 B34 A49 T2-3 B34 A49 T2-2 B34 A54 T2-3 B34 A54 T2-2 B34 A66 T2-3 B34 A66 T2-2 B34 A67 T2-3 B34 A67 T2-2 B34 A68 T2-3 B34 A68 T2-2 B34 A69 T2-3 B34 A69 T2-2 B34 A70 T2-3 B34 A70 T2-2 B34 A76 T2-3 B34 A76 T2-2 B34 A76 T2-3 B34 A76 T2-2 B34 A76 T2-3 B34 A76 T2-2 B34 A77 T2-3 B34 A77 T2-2 B34 A78 T2-3 B34 A78 T2-2 B34 A78 T2-3 B34 A106<	Ţ	T2.2	B34	A37	T2-3	B34	A37
T2-2 B34 A49 T2-3 B34 A49 T2-2 B34 A54 T2-3 B34 A54 T2-2 B34 A66 T2-3 B34 A66 T2-2 B34 A67 T2-3 B34 A67 T2-2 B34 A68 T2-3 B34 A68 T2-2 B34 A69 T2-3 B34 A69 T2-2 B34 A70 T2-3 B34 A70 T2-2 B34 A76 T2-3 B34 A76 T2-2 B34 A76 T2-3 B34 A76 T2-2 B34 A77 T2-3 B34 A77 T2-2 B34 A78 T2-3 B34 A78 T2-2 B34 A78 T2-3 B34 A78 T2-2 B34 A106 T2-3 B34 A106	Ì	T2-2	B34	A45	T2-3	B34	A45
T2-2 B34 A54 T2-3 B34 A54 T2-2 B34 A66 T2-3 B34 A66 T2-2 B34 A67 T2-3 B34 A67 T2-2 B34 A68 T2-3 B34 A68 T2-2 B34 A69 T2-3 B34 A69 T2-2 B34 A70 T2-3 B34 A70 T2-2 B34 A76 T2-3 B34 A76 T2-2 B34 A77 T2-3 B34 A77 T2-2 B34 A78 T2-3 B34 A78 T2-2 B34 A78 T2-3 B34 A78 T2-2 B34 A78 T2-3 B34 A78 T2-2 B34 A106 T2-3 B34 A106	Ţ	T2-2	B34	A46	T2-3		A46
T2-2 B34 A66 T2-3 B34 A66 T2-2 B34 A67 T2-3 B34 A67 T2-2 B34 A68 T2-3 B34 A68 T2-2 B34 A69 T2-3 B34 A69 T2-2 B34 A70 T2-3 B34 A70 T2-2 B34 A76 T2-3 B34 A76 T2-2 B34 A77 T2-3 B34 A77 T2-2 B34 A78 T2-3 B34 A78 T2-2 B34 A106 T2-3 B34 A106	Ţ	T2-2	B34	A49	T2-3	B34	A49
T2-2 B34 A67 T2-3 B34 A67 T2-2 B34 A68 T2-3 B34 A68 T2-2 B34 A69 T2-3 B34 A69 T2-2 B34 A70 T2-3 B34 A70 T2-2 B34 A76 T2-3 B34 A76 T2-2 B34 A77 T2-3 B34 A77 T2-2 B34 A78 T2-3 B34 A78 T2-2 B34 A106 T2-3 B34 A106		T2-2	B34	A54	T2-3	B34	A54
T2-2 B34 A68 T2-3 B34 A68 T2-2 B34 A69 T2-3 B34 A69 T2-2 B34 A70 T2-3 B34 A70 T2-2 B34 A76 T2-3 B34 A76 T2-2 B34 A77 T2-3 B34 A77 T2-2 B34 A78 T2-3 B34 A78 T2-2 B34 A106 T2-3 B34 A106	[T2-2	B34	A66	T2-3	B34	A66
T2-2 B34 A69 T2-3 B34 A69 T2-2 B34 A70 T2-3 B34 A70 T2-2 B34 A76 T2-3 B34 A76 T2-2 B34 A77 T2-3 B34 A77 T2-2 B34 A78 T2-3 B34 A78 T2-2 B34 A106 T2-3 B34 A106	Ì	T2-2	B34	A67	T2-3	B34	A67
T2-2 B34 A70 T2-3 B34 A70 T2-2 B34 A76 T2-3 B34 A76 T2-2 B34 A77 T2-3 B34 A77 T2-2 B34 A78 T2-3 B34 A78 T2-2 B34 A106 T2-3 B34 A106 T2-2 B34 A106 T2-3 B34 A106	1	T2-2	B34	A68	T2-3	B34	A68
T2-2 B34 A76 T2-3 B34 A76 T2-2 B34 A77 T2-3 B34 A77 T2-2 B34 A78 T2-3 B34 A78 T2-2 B34 A106 T2-3 B34 A106 T2-2 B34 A106 T2-3 B34 A106		T2-2	B34	A69	T2-3	B34	A69
T2-2 B34 A77 T2-3 B34 A77 T2-2 B34 A78 T2-3 B34 A78 T2-2 B34 A106 T2-3 B34 A106 T2-2 B34 A106 T2-3 B34 A106		T2-2	B34	A70	T2-3	B34	A70
T2-2 B34 A78 T2-3 B34 A78 T2-2 B34 A106 T2-3 B34 A106		T2-2	B34	A76		B34	A76
T2-2 B34 A106 T2-3 B34 A106		T2-2	B34	A77	T2-3	B34	
12-2 1004		T2-2	B34	A78	T2-3		
T9 9 B24 A110 T9 9 B34 A110	[T2-2	B34	A106		B34	
12-2 D04 A110 12-0 D04 A110		T2-2	B34	A110	T2-3	B34	A110
T2-4 B34 A2 T2-5 B34 A2	Ī	T2-4	B34	A2	T2-5	B34	
T2-4 B34 A5 T2-5 B34 A5		T2-4	B34	A5	T2-5	B34	
T2-4 B34 A35 T2-5 B34 A35		T2-4	B34	A35	T2-5		
T2-4 B34 A37 T2-5 B34 A37	ĺ	T2-4	B34	A37			
T2-4 B34 A45 T2-5 B34 A45		T2-4	B34	A45			
T2-4 B34 A46 T2-5 B34 A46	1	T2-4	B34	A46			
T2-4 B34 A49 T2-5 B34 A49		T2-4	B34				
T2-4 B34 A54 T2-5 B34 A54		T2-4	B34				
T2-4 B34 A66 T2-5 B34 A66		T2-4	B34				
T2-4 B34 A67 T2-5 B34 A67	į	T2-4	B34				
T2-4 B34 A68 T2-5 B34 A68							
T2-4 B34 A69 T2-5 B34 A69	ĺ	T2-4	B34				
T2-4 B34 A70 T2-5 B34 A70	ļ						
T2-4 B34 A76 T2-5 B34 A76							
T2-4 B34 A77 T2-5 B34 A77		T2-4					
T2-4 B34 A78 T2-5 B34 A78							
T2-4 B34 A106 T2-5 B34 A106	ļ						
T2-4 B34 A110 T2-5 B34 A110	ļ	T2-4	B34	A110	T2-5	B34	DILE

Table 34

Table 94					
T5-1	B34	A2	T7-1	B34	A2
T5-1	B34	A5	T7-1	B34	A5
T5-1	B34	A35	T7-1	B34	A35
T5-1	B34	A37	T7-1	B34	A37
T5-1	B34	A45	T7-1	B34	A45
T5-1	B34	A46	T7-1	B34	A46
T5-1	B34	A49	T7-1	B34	A49
T5-1	B34	A54	T7-1	B34	A54
T5-1	B34	A66	T7-1	B34	A66
T5-1	B34	A67	T7-1	B34	A67
T5-1	B34	A68	T7-1	B34	A68
T5-1	B34	A69	T7-1	B34	A69
T5-1	B34	A70	T7-1	B34	A70
T5-1	B34	A76	T7-1	B34	A76
T5-1	B34	A77	T7-1	B34	A77
T5-1	B34	A78	T7-1	B34	A78
T5-1	B34	A106	T7-1	B34	A106
T5-1	B34	A110	T7-1	B34	A110
T1-1	B35	A2	T2-1	B35	A2
T1-1	B35	A5	T2-1	B35	A5
T1-1	B35	A35	T2-1	B35	A35
T1-1	B35	A37	T2-1	B35	A37
T1-1	B35	A45	T2-1	B35	A45
T1-1	B35	A46	T2-1	B35	A46
T1-1	B35	A49	T2-1	B35	A49
T1-1	B35	A54	T2-1	B35	A54 ·
T1-1	B35	A66	T2-1	B35	A66
T1-1	B35	A67	T2-1	B35	A67
T1-1	B35	A68	T2-1	B35	A68
T1-1_	B35	A69	T2-1	B35	A69
T1-1	B35	A70	T2-1	B35	A70
T1-1	B35	A76	T2-1	B35	A76
T1-1	B35	A77	T2-1	B35	A77
T1-1	B35	A78	T2-1	B35	A78
T1-1	B35	A106	T2-1	B35	A106
T1-1	B35	A110	T2-1	B35	A110
T2-2	B35	A2	T2-3	B35	A2
T2-2	B35	A5	T2-3	B35	A5
T2-2	B35	A35	T2-3	B35	A35
T2-2	B35	A37	T2-3	B35	A37
T2-2	B35	.445	T2-3	B35	A45
T2-2	B35	A46	T2-3	B35	.446
T2-2	B35	.449	T2-3	B35	A49

Table 35

	rabic 99					
	T2.2	B35	A54	T2-3	B35	A54
5	T2-2	B35	A66	T2-3	B35	A66
•	T2-2	B35	A67	T2-3	B35	A67
	T2-2	B35	A68	T2-3	B35	A68
	T2-2	B35	A69	T2-3	B35	.469
	T2-2	B35	A70	T2-3	B35	A70
10	T2-2	B35	A76	T2-3	B35	A76
	T2-2	B35	A77	T2-3	B35	A77
	T2-2	B35	A78	T2-3	B35	A78
	T2-2	B35	A106	T2-3	B35	A106
15	T2-2	B35	A110	T2-3	B35	A110
	T2-4	B35	A2	T2-5	B35	A2
	T2-4	B35	A5	T2-5	B35	A5
	T2-4	B35	A35	T2-5	B35	A35
20	T2-4	B35	A37	T2-5	B35	A37
	T2-4	B35	A45	T2-5	B35	A45
	T2-4	B35	A46	T2-5	B35	A46
	T2-4	B35	A49	T2-5	B35	A49
	T2-4	B35	A54	T2-5	B35	A54
25	T2-4	B35	A66	T2-5	B35	A66
	T2-4	B35	A67	T2-5	B35	A67
	T2-4	B35	A68	T2-5	B35	A68
	T2-4	B35	A69	T2-5	B35	A69
30	T2-4	B35	A70	T2-5	B35	A70
	T2-4	B35	A76	T2-5	B35	A76
	T2-4	B35	A77	T2.5	B35	A77
	T2-4	B35	A78	T2-5	B35	A78
35	T2-4	B35	A106	T2-5	B35	A106
	T2-4	B35	A110	T2-5	B35	A110
	T5-1	B35	A2	T7-1	B35	A2
	T5-1	B35	A5	T7-1	B35	' A5
0.5	T5-1	B35	A35	T7-1	B35	A35
40	T5-1	B35	A37	T7-1	B35	A37
	T5-1	B35	A45	T7-1	B35	A45
•	T5-1	B35	A46	T7-1	B35	A46
	T5-1	B35	A49	T7-1	B35	A49
45	T5-1	B35	A54	T7-1	B35	A54
	T5-1	B35	A66	T7-1	B35	A66
	T5-1	B35	A67	T7-1	B35	A67
	T5-1	B35	A68	T7-1	B35	468
50	T5-1	B35	A69	T7-1	B35	A69
	T5-1	B35	A70	T7-1	B35	A70
	T5-1	B35	A76	T7-1	B35	A76

T2-4 T2-4

B36

B36

	Table 36					
	T5-1	B35	A77	T7-1	B35	A77
5	T5-1	B35	A78	T7-1	B35	A78
	T5-1	B35	A106	T7-1	B35	A106
	T5-1	B35	A110	T7-1	B35	A110
	T1-1	B36	A2	T2-1	B36	A2
10	T1-1	B36	A5	T2-1	B36	A5
70	T1-1	B36	A35	T2-1	B36	A35
	T1-1	B36	A37	T2-1	B36	A37
	T1-1	B36	.445	T2-1	B36	A45
	T1-1	B36	A46	T2-1	B36	A46
15	T1-1	B36	A49	T2-1	B36	A49
	T1-1	B36	A54	T2-1	B36	A54
	T1-1	B36	A66	T2-1	B36	A66
	T1-1	B36	A67	T2-1	B36	A67
20	T1-1	B36	A68	T2-1	B36	A68
	T1-1	B36	A69	T2-1	B36	A69
	T1-1	B36	A70	T2-1	B36	A70
	T1-1	B36	A76	T2-1	B36	A76
	T1-1	B36	A77	T2-1	B36	A77
25	T1-1	B36	A78	T2-1	B36	A78
	T1-1	B36	A106 ·	T2-1	B36	A106
	T1-1	B36	A110	T2-1	B36	A110
	T2-2	B36	A2	T2-3	B36	A2
30	T2-2	B36	A5	T2-3	B36	A5
	T2-2	B36	A35	T2-3	B36	A35
	T2-2	B36	A37	T2-3	B36	A37
	T2-2	B36	A45	T2-3	B36	A45
35	T2-2	B36	A46	T2-3	B36	A46
33	T2-2	B36	.449	T2-3	B36	.449
	T2-2	B36	A54	T2-3	B36	A54
	T2-2	B36	A66	T2-3	B36	A66
	T2-2	B36	A67	T2-3	B36	A67
40	T2-2	B36	A68	T2-3	B36	A68
	T2-2	B36	A69	T2-3	B36	A69
	T2.2	B36	A70	T2-3	B36	A70
	T2-2	B36	A76	T2-3	B36	A76
45	T2-2	B36	A77	T2-3	B36	A77
	T2-2	B36	A78	T2-3	B36	A78
	T2-2	B36	A106	T2-3	B36	A106
	T2-2	B36	A110	T2-3	B36	A110
50	T2-4	B36	A2	T2-5	B36	A2
50	T2.4	B36	45	Т2.5	B36	A5

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A5

A35

B36

B36

A5 A35

T2-5

T2-5

Table 37

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T2-4 B36 A37 T2-5 B36 A37 T2-4 B36 A45 T2-5 B36 A45 T2-4 B36 A49 T2-5 B36 A49 T2-4 B36 A49 T2-5 B36 A49 T2-4 B36 A66 T2-5 B36 A66 T2-4 B36 A66 T2-5 B36 A66 T2-4 B36 A68 T2-5 B36 A67 T2-4 B36 A68 T2-5 B36 A68 T2-4 B36 A69 T2-5 B36 A69 T2-4 B36 A70 T2-5 B36 A70 T2-4 B36 A76 T2-5 B36 A70 T2-4 B36 A78 T2-5 B36 A70 T2-4 B36 A78 T2-5 B36 A78 T2-4 B36 A78 T2-5 B36 A10 </th <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>							
T2-4 B36 A46 T2-5 B36 A49 T2-4 B36 A49 T2-5 B36 A49 T2-4 B36 A54 T2-5 B36 A54 T2-4 B36 A66 T2-5 B36 A66 T2-4 B36 A66 T2-5 B36 A67 T2-4 B36 A68 T2-5 B36 A68 T2-4 B36 A69 T2-5 B36 A69 T2-4 B36 A70 T2-5 B36 A70 T2-4 B36 A76 T2-5 B36 A76 T2-4 B36 A78 T2-5 B36 A76 T2-4 B36 A106 T2-5 B36 A78 T2-4 B36 A106 T2-5 B36 A10 T2-4 B36 A10 T2-5 B36 A10 T2-4 B36 A10 T2-5 B36 A10	•	T2-4	B36	A37	T2-5	B36	A37
T2-4	5	T2-4	B36	A45	T2-5	B36	A45
T2-4		T2-4	B36	A46	T2-5	B36	A46
T2-4	•	T2-4	B36	A49	T2-5	B36	A49
T2-4 B36 A67 T2-5 B36 A67 T2-4 B36 A68 T2-5 B36 A68 T2-4 B36 A69 T2-5 B36 A69 T2-4 B36 A70 T2-5 B36 A70 T2-4 B36 A76 T2-5 B36 A76 T2-4 B36 A77 T2-5 B36 A76 T2-4 B36 A77 T2-5 B36 A77 T2-4 B36 A106 T2-5 B36 A78 T2-4 B36 A110 T2-5 B36 A110 T5-1 B36 A2 T7-1 B36 A2 T5-1 B36 A35 T7-1 B36 A3 T5-1 B36 A37 T7-1 B36 A37 T5-1 B36 A45 T7-1 B36 A46 T5-1 B36 A46 T7-1 B36 A46 </td <th></th> <td>T2-4</td> <td>B36</td> <td>A54</td> <td>T2-5</td> <td>B36</td> <td>A54</td>		T2-4	B36	A54	T2-5	B36	A54
T2-4 B36 A67 T2-5 B36 A68 T2-4 B36 A68 T2-5 B36 A69 T2-4 B36 A70 T2-5 B36 A70 T2-4 B36 A76 T2-5 B36 A70 T2-4 B36 A76 T2-5 B36 A76 T2-4 B36 A77 T2-5 B36 A77 T2-4 B36 A106 T2-5 B36 A78 T2-4 B36 A106 T2-5 B36 A106 T2-4 B36 A106 T2-5 B36 A106 T2-4 B36 A10 T2-5 B36 A100 T2-4 B36 A2 T7-1 B36 A2 T5-1 B36 A2 T7-1 B36 A35 T5-1 B36 A35 T7-1 B36 A37 T5-1 B36 A45 T7-1 B36 A4	10	T2-4	B36	A66	T2-5	B36	A66
T2-4 B36 A69 T2-5 B36 A69 T2-4 B36 A70 T2-5 B36 A70 T2-4 B36 A76 T2-5 B36 A76 T2-4 B36 A77 T2-5 B36 A77 T2-4 B36 A106 T2-5 B36 A106 T2-4 B36 A106 T2-5 B36 A106 T2-4 B36 A106 T2-5 B36 A106 T2-4 B36 A107 T2-5 B36 A106 T2-4 B36 A106 T2-5 B36 A106 T2-4 B36 A106 T2-5 B36 A106 T2-4 B36 A2 T7-1 B36 A2 T5-1 B36 A2 T7-1 B36 A2 T5-1 B36 A35 T7-1 B36 A35 T5-1 B36 A45 T7-1 B36 <	10	T2-4	B36	A67	T2-5	B36	.A67
T2-4		T2-4	B36	A68	T2-5	B36	A68
T2.4 B36 A76 T2.5 B36 A76 T2.4 B36 A77 T2.5 B36 A77 T2.4 B36 A78 T2.5 B36 A78 T2.4 B36 A106 T2.5 B36 A106 T2.4 B36 A110 T2.5 B36 A110 T5.1 B36 A2 T7.1 B36 A2 T5.1 B36 A5 T7.1 B36 A3 T5.1 B36 A35 T7.1 B36 A35 T5.1 B36 A37 T7.1 B36 A35 T5.1 B36 A45 T7.1 B36 A35 T5.1 B36 A45 T7.1 B36 A45 T5.1 B36 A45 T7.1 B36 A46 T5.1 B36 A46 T7.1 B36 A49 T5.1 B36 A66 T7.1 B36 A67 </th <th></th> <th>T2-4</th> <th>B36</th> <th>A69</th> <th>T2-5</th> <th>B36</th> <th>A69</th>		T2-4	B36	A69	T2-5	B36	A69
T2-4 B36 A77 T2-5 B36 A78 T2-4 B36 A78 T2-5 B36 A78 T2-4 B36 A106 T2-5 B36 A106 T2-4 B36 A110 T2-5 B36 A110 T5-1 B36 A2 T7-1 B36 A2 T5-1 B36 A3 T7-1 B36 A3 T5-1 B36 A35 T7-1 B36 A3 T5-1 B36 A35 T7-1 B36 A3 T5-1 B36 A45 T7-1 B36 A35 T5-1 B36 A45 T7-1 B36 A45 T5-1 B36 A45 T7-1 B36 A45 T5-1 B36 A49 T7-1 B36 A49 T5-1 B36 A66 T7-1 B36 A66 T5-1 B36 A66 T7-1 B36 A67 <th></th> <th>T2-4</th> <th>B36</th> <th>A70</th> <th>T2-5</th> <th>B36</th> <th>A70</th>		T2-4	B36	A70	T2-5	B36	A70
T2-4 B36 A78 T2-5 B36 A78 T2-4 B36 A106 T2-5 B36 A106 T2-4 B36 A110 T2-5 B36 A110 T5-1 B36 A2 T7-1 B36 A2 T5-1 B36 A35 T7-1 B36 A35 T5-1 B36 A35 T7-1 B36 A35 T5-1 B36 A37 T7-1 B36 A35 T5-1 B36 A45 T7-1 B36 A45 T5-1 B36 A45 T7-1 B36 A45 T5-1 B36 A46 T7-1 B36 A46 T5-1 B36 A46 T7-1 B36 A49 T5-1 B36 A66 T7-1 B36 A66 T5-1 B36 A66 T7-1 B36 A67 T5-1 B36 A68 T7-1 B36 A69	15	T2-4	B36	A76	T2-5		
T2-4 B36 A106 T2-5 B36 A106 T2-4 B36 A110 T2-5 B36 A110 T5-1 B36 A2 T7-1 B36 A2 T5-1 B36 A35 T7-1 B36 A35 T5-1 B36 A35 T7-1 B36 A35 T5-1 B36 A37 T7-1 B36 A35 T5-1 B36 A45 T7-1 B36 A45 T5-1 B36 A46 T7-1 B36 A46 T5-1 B36 A46 T7-1 B36 A46 T5-1 B36 A66 T7-1 B36 A46 T5-1 B36 A66 T7-1 B36 A66 T5-1 B36 A66 T7-1 B36 A66 T5-1 B36 A68 T7-1 B36 A66 T5-1 B36 A68 T7-1 B36 A68 T5-1 B36 A68 T7-1 B36 A69 T5-1 B36 A69 T7-1 B36 A69 T5-1 B36 A70 T7-1 B36 A69 T5-1 B36 A70 T7-1 B36 A70 T5-1 B37 A70 T7-1 B36 A106 T5-1 B37 A70 T7-1 B36 A106 T5-1 B37 A45 T2-1 B37 A45 T1-1 B37 A35 T2-1 B37 A45 T1-1 B37 A46 T2-1 B37 A46		T2-4	B36	A77	T2-5	B36	A77
T2-4 B36		T2-4	B36	A78	T2-5		A78
T5-1 B36 A2 T7-1 B36 A5 T5-1 B36 A5 T7-1 B36 A5 T5-1 B36 A35 T7-1 B36 A35 T5-1 B36 A37 T7-1 B36 A37 T5-1 B36 A45 T7-1 B36 A37 T5-1 B36 A45 T7-1 B36 A45 T5-1 B36 A45 T7-1 B36 A45 T5-1 B36 A45 T7-1 B36 A46 T5-1 B36 A46 T7-1 B36 A46 T5-1 B36 A49 T7-1 B36 A49 T5-1 B36 A66 T7-1 B36 A66 T5-1 B36 A66 T7-1 B36 A66 T5-1 B36 A66 T7-1 B36 A66 T5-1 B36 A67 T7-1 B36 A68 T5-1 B36 A68 T7-1 B36 A68 T5-1 B36 A69 T7-1 B36 A69 T5-1 B36 A69 T7-1 B36 A69 T5-1 B36 A70 T7-1 B36 A69 T5-1 B36 A70 T7-1 B36 A70 T5-1 B36 A70 T7-1 B36 A106 T5-1 B37 A45 T2-1 B37 A45 T1-1 B37 A45 T2-1 B37 A45 T1-1 B37 A46 T2-1 B37 A46 T1-1 B37 A46 T2-1 B37 A46		T2-4	B36	A106	T2-5	B36	A106
T5-1 B36 A5 T7-1 B36 A5 T5-1 B36 A35 T7-1 B36 A35 T5-1 B36 A37 T7-1 B36 A37 T5-1 B36 A45 T7-1 B36 A37 T5-1 B36 A45 T7-1 B36 A45 T5-1 B36 A46 T7-1 B36 A46 T5-1 B36 A49 T7-1 B36 A54 T5-1 B36 A54 T7-1 B36 A54 T5-1 B36 A54 T7-1 B36 A66 T5-1 B36 A54 T7-1 B36 A54 T5-1 B36 A66 T7-1 B36 A66 T5-1 B36 A66 T7-1 B36 A66 T5-1 B36 A67 T7-1 B36 A66 T5-1 B36 A68 T7-1 B36 A68 T5-1 B36 A68 T7-1 B36 A69 T5-1 B36 A70 T7-1 B36 A70 T5-1 B37 A70 T7-1 B37 A2 T1-1 B37 A2 T2-1 B37 A2 T1-1 B37 A35 T2-1 B37 A35 T1-1 B37 A45 T2-1 B37 A45 T1-1 B37 A46 T2-1 B37 A46 T1-1 B37 A49 T2-1 B37 A49 T1-1 B37 A49 T2-1 B37 A49 T1-1 B37 A49 T2-1 B37 A49	20	T2-4	B36	A110	T2-5	B36	A110
T5-1 B36 A35 T7-1 B36 A35 T5-1 B36 A37 T7-1 B36 A37 T5-1 B36 A45 T7-1 B36 A45 T5-1 B36 A46 T7-1 B36 A49 T5-1 B36 A49 T7-1 B36 A49 T5-1 B36 A54 T7-1 B36 A49 T5-1 B36 A66 T7-1 B36 A54 T5-1 B36 A66 T7-1 B36 A66 T5-1 B36 A66 T7-1 B36 A67 T5-1 B36 A68 T7-1 B36 A69 T5-1 B36 A69 T7-1 B36 A69 T5-1 B36 A76 T7-1 B36 A70 T5-1 B36 A76 T7-1 B36 A77 T5-1 B36 A77 T7-1 B36 A10 </td <th></th> <td>T5-1</td> <td>B36</td> <td>A2</td> <td>T7-1</td> <td>B36</td> <td>A2</td>		T5-1	B36	A2	T7-1	B36	A2
T5-1 B36 A37 T7-1 B36 A45 T5-1 B36 A45 T7-1 B36 A45 T5-1 B36 A46 T7-1 B36 A46 T5-1 B36 A49 T7-1 B36 A49 T5-1 B36 A54 T7-1 B36 A54 T5-1 B36 A66 T7-1 B36 A66 T5-1 B36 A67 T7-1 B36 A66 T5-1 B36 A68 T7-1 B36 A67 T5-1 B36 A68 T7-1 B36 A69 T5-1 B36 A68 T7-1 B36 A69 T5-1 B36 A76 T7-1 B36 A70 T5-1 B36 A76 T7-1 B36 A76 T5-1 B36 A77 T7-1 B36 A77 T5-1 B36 A77 T7-1 B36 A106<		T5-1	B36	A5	T7-1	B36	A5
T5-1 B36 A45 T7-1 B36 A45 T5-1 B36 A46 T7-1 B36 A46 T5-1 B36 A49 T7-1 B36 A49 T5-1 B36 A54 T7-1 B36 A54 T5-1 B36 A66 T7-1 B36 A66 T5-1 B36 A66 T7-1 B36 A66 T5-1 B36 A67 T7-1 B36 A67 T5-1 B36 A68 T7-1 B36 A68 T5-1 B36 A69 T7-1 B36 A69 T5-1 B36 A70 T7-1 B36 A70 T5-1 B36 A76 T7-1 B36 A76 T5-1 B36 A77 T7-1 B36 A77 T5-1 B36 A77 T7-1 B36 A78 T5-1 B36 A106 T7-1 B36 A106		T5-1	B36	A35	T7-1	B36	A35
T5-1 B36 A46 T7-1 B36 A46 T5-1 B36 A49 T7-1 B36 A48 T5-1 B36 A54 T7-1 B36 A49 T5-1 B36 A54 T7-1 B36 A54 T5-1 B36 A54 T7-1 B36 A56 T5-1 B36 A66 T7-1 B36 A66 T5-1 B36 A67 T7-1 B36 A66 T5-1 B36 A67 T7-1 B36 A67 T5-1 B36 A68 T7-1 B36 A68 T5-1 B36 A69 T7-1 B36 A68 T5-1 B36 A69 T7-1 B36 A69 T5-1 B36 A70 T7-1 B36 A70 T5-1 B36 A70 T7-1 B36 A70 T5-1 B36 A70 T7-1 B36 A70 T5-1 B36 A76 T7-1 B36 A76 T5-1 B36 A77 T7-1 B36 A77 T5-1 B36 A78 T7-1 B36 A78 T5-1 B36 A106 T7-1 B36 A106 T5-1 B36 A100 T7-1 B36 A100 T1-1 B37 A2 T2-1 B37 A5 T1-1 B37 A5 T2-1 B37 A35 T1-1 B37 A35 T2-1 B37 A35 T1-1 B37 A45 T2-1 B37 A45 T1-1 B37 A46 T2-1 B37 A46 T1-1 B37 A49 T2-1 B37 A49 T1-1 B37 A49 T2-1 B37 A49 T1-1 B37 A49 T2-1 B37 A46	25	T5-1	B36	A37	T7-1		A37
T5-1	25	T5-1	B36	A45	T7-1		A45
T5-1		T5-1	B36	A46	T7-1		
T5-1		T5-1	B36	A49	T7-1		
T5-1 B36 A67 T7-1 B36 A68 T5-1 B36 A68 T7-1 B36 A68 T5-1 B36 A69 T7-1 B36 A69 T5-1 B36 A70 T7-1 B36 A70 T5-1 B36 A77 T7-1 B36 A76 T5-1 B36 A77 T7-1 B36 A78 T5-1 B36 A78 T7-1 B36 A78 T5-1 B36 A106 T7-1 B36 A106 T5-1 B36 A100 T7-1 B36 A100 T1-1 B37 A2 T2-1 B37 A2 T1-1 B37 A35 T2-1 B37 A35 T1-1 B37 A35 T2-1 B37 A35 T1-1 B37 A45 T2-1 B37 A45 T1-1 B37 A46 T2-1 B37 A46 T1-1 B37 A49 T2-1 B37 A49 T1-1 B37 A49 T2-1 B37 A49 T1-1 B37 A49 T2-1 B37 A49 T1-1 B37 A46 T2-1 B37 A49 T1-1 B37 A46 T2-1 B37 A46		T5-1	B36	A54	T7-1		
T5-1 B36 A68 T7-1 B36 A68 T5-1 B36 A69 T7-1 B36 A69 T5-1 B36 A70 T7-1 B36 A70 T5-1 B36 A70 T7-1 B36 A70 T5-1 B36 A76 T7-1 B36 A70 T5-1 B36 A77 T7-1 B36 A77 T5-1 B36 A77 T7-1 B36 A77 T5-1 B36 A78 T7-1 B36 A78 T5-1 B36 A106 T7-1 B36 A106 T5-1 B36 A106 T7-1 B36 A106 T5-1 B37 A2 T2-1 B37 A2 T1-1 B37 A35 T2-1 B37 A35 T1-1 B37 A35 T2-1 B37 A35 T1-1 B37 A45 T2-1 B37 A45 T1-1 B37 A45 T2-1 B37 A45 T1-1 B37 A46 T2-1 B37 A46 T1-1 B37 A49 T2-1 B37 A49 T1-1 B37 A54 T2-1 B37 A49 T1-1 B37 A54 T2-1 B37 A49 T1-1 B37 A49 T2-1 B37 A49 T1-1 B37 A54 T2-1 B37 A66	30	T5-1	B36	A66			
T5-1 B36 A69 T7-1 B36 A69 T5-1 B36 A70 T7-1 B36 A70 T5-1 B36 A70 T7-1 B36 A70 T5-1 B36 A76 T7-1 B36 A76 T5-1 B36 A77 T7-1 B36 A77 T5-1 B36 A77 T7-1 B36 A77 T5-1 B36 A78 T7-1 B36 A78 T5-1 B36 A106 T7-1 B36 A106 T5-1 B36 A106 T7-1 B36 A106 T5-1 B37 A2 T2-1 B37 A2 T1-1 B37 A5 T2-1 B37 A5 T1-1 B37 A35 T2-1 B37 A35 T1-1 B37 A45 T2-1 B37 A35 T1-1 B37 A45 T2-1 B37 A45 T1-1 B37 A46 T2-1 B37 A46 T1-1 B37 A46 T2-1 B37 A49 T1-1 B37 A49 T2-1 B37 A49 T1-1 B37 A54 T2-1 B37 A49 T1-1 B37 A54 T2-1 B37 A66		T5-1	B36	A67	T7-1		
35 T5-1 B36 A70 T7-1 B36 A70 T5-1 B36 A76 T7-1 B36 A76 T5-1 B36 A77 T7-1 B36 A77 T5-1 B36 A78 T7-1 B36 A78 T5-1 B36 A106 T7-1 B36 A106 T5-1 B36 A100 T7-1 B36 A100 T5-1 B36 A110 T7-1 B36 A110 T1-1 B37 A2 T2-1 B37 A5 T1-1 B37 A35 T2-1 B37 A35 T1-1 B37 A35 T2-1 B37 A35 T1-1 B37 A45 T2-1 B37 A45 T1-1 B37 A46 T2-1 B37 A46 T1-1 B37 A49 T2-1 B37 A46 T1-1 B37 A54 T2-1 B3		T5-1	B36	A68			
T5-1 B36 A76 T7-1 B36 A76 T5-1 B36 A77 T7-1 B36 A77 T5-1 B36 A78 T7-1 B36 A78 T5-1 B36 A106 T7-1 B36 A106 T5-1 B36 A106 T7-1 B36 A106 T5-1 B36 A100 T7-1 B36 A100 T1-1 B37 A2 T2-1 B37 A2 T1-1 B37 A35 T2-1 B37 A35 T1-1 B37 A35 T2-1 B37 A35 T1-1 B37 A45 T2-1 B37 A37 T1-1 B37 A45 T2-1 B37 A45 T1-1 B37 A46 T2-1 B37 A46 T1-1 B37 A46 T2-1 B37 A46 T1-1 B37 A49 T2-1 B37 A49 T1-1 B37 A46 T2-1 B37 A49 T1-1 B37 A46 T2-1 B37 A49 T1-1 B37 A46 T2-1 B37 A46		T5-1	B36	A69			
T5-1 B36 A77 T7-1 B36 A77 T5-1 B36 A78 T7-1 B36 A78 T5-1 B36 A106 T7-1 B36 A106 T5-1 B36 A110 T7-1 B36 A110 T1-1 B37 A2 T2-1 B37 A2 T1-1 B37 A35 T2-1 B37 A35 T1-1 B37 A35 T2-1 B37 A35 T1-1 B37 A45 T2-1 B37 A35 T1-1 B37 A45 T2-1 B37 A45 T1-1 B37 A46 T2-1 B37 A46 T1-1 B37 A46 T2-1 B37 A46 T1-1 B37 A54 T2-1 B37 A54 T1-1 B37 A54 T2-1 B37 A54 T1-1 B37 A56 T2-1 B37 A46	<i>35</i>	T5-1	B36				
T5-1 B36 A78 T7-1 B36 A78 T5-1 B36 A106 T7-1 B36 A106 T5-1 B36 A110 T7-1 B36 A110 T1-1 B37 A2 T2-1 B37 A2 T1-1 B37 A35 T2-1 B37 A35 T1-1 B37 A35 T2-1 B37 A35 T1-1 B37 A45 T2-1 B37 A45 T1-1 B37 A45 T2-1 B37 A45 T1-1 B37 A46 T2-1 B37 A46 T1-1 B37 A46 T2-1 B37 A49 T1-1 B37 A54 T2-1 B37 A49 T1-1 B37 A54 T2-1 B37 A49 T1-1 B37 A54 T2-1 B37 A46		T5-1	B36				
T5-1 B36 A106 T7-1 B36 A106 T5-1 B36 A110 T7-1 B36 A110 T1-1 B37 A2 T2-1 B37 A2 T1-1 B37 A35 T2-1 B37 A35 T1-1 B37 A35 T2-1 B37 A35 T1-1 B37 A37 T2-1 B37 A35 T1-1 B37 A45 T2-1 B37 A45 T1-1 B37 A45 T2-1 B37 A45 T1-1 B37 A46 T2-1 B37 A46 T1-1 B37 A46 T2-1 B37 A49 T1-1 B37 A54 T2-1 B37 A54 T1-1 B37 A54 T2-1 B37 A54 T1-1 B37 A56 T2-1 B37 A46		T5-1					
40 T5-1 B36 A110 T7-1 B36 A110 T1-1 B37 A2 T2-1 B37 A2 T1-1 B37 A5 T2-1 B37 A5 T1-1 B37 A35 T2-1 B37 A35 T1-1 B37 A35 T2-1 B37 A35 T1-1 B37 A37 T2-1 B37 A37 T1-1 B37 A45 T2-1 B37 A45 T1-1 B37 A46 T2-1 B37 A46 T1-1 B37 A49 T2-1 B37 A49 T1-1 B37 A54 T2-1 B37 A54 T1-1 B37 A54 T2-1 B37 A56		T5-1					
T1-1 B37 A2 T2-1 B37 A2 T1-1 B37 A5 T2-1 B37 A5 T1-1 B37 A35 T2-1 B37 A35 T1-1 B37 A35 T2-1 B37 A35 T1-1 B37 A37 T2-1 B37 A37 T1-1 B37 A45 T2-1 B37 A45 T1-1 B37 A46 T2-1 B37 A46 T1-1 B37 A49 T2-1 B37 A49 T1-1 B37 A54 T2-1 B37 A54	40	· · · · · · · · · · · · · · · · · · ·					
T1-1 B37 A5 T2-1 B37 A5 T1-1 B37 A35 T2-1 B37 A35 T1-1 B37 A37 T2-1 B37 A37 T1-1 B37 A45 T2-1 B37 A45 T1-1 B37 A45 T2-1 B37 A45 T1-1 B37 A46 T2-1 B37 A46 T1-1 B37 A49 T2-1 B37 A49 T1-1 B37 A54 T2-1 B37 A54 T1-1 B37 A66 T2-1 B37 A54	40	T5-1	B36				
T1-1 B37 A35 T2-1 B37 A35 T1-1 B37 A37 T2-1 B37 A37 T1-1 B37 A45 T2-1 B37 A45 T1-1 B37 A46 T2-1 B37 A46 T1-1 B37 A49 T2-1 B37 A49 T1-1 B37 A54 T2-1 B37 A54 T1-1 B37 A66 T2-1 B37 A66		T1-1	B37				
45 T1-1 B37 A37 T2-1 B37 A37 T1-1 B37 A45 T2-1 B37 A45 T1-1 B37 A46 T2-1 B37 A46 T1-1 B37 A49 T2-1 B37 A49 T1-1 B37 A54 T2-1 B37 A54 T1-1 B37 A66 T2-1 B37 A66			B37				
T1-1 B37 A45 T2-1 B37 A45 T1-1 B37 A46 T2-1 B37 A46 T1-1 B37 A49 T2-1 B37 A49 T1-1 B37 A54 T2-1 B37 A54 T1-1 B37 A66 T2-1 B37 A66		T1-1	B37				
T1-1 B37 A46 T2-1 B37 A46 T1-1 B37 A49 T2-1 B37 A49 T1-1 B37 A54 T2-1 B37 A54 T1-1 B37 A66 T2-1 B37 A66	45 .	T1-1					
T1-1 B37 A49 T2-1 B37 A49 T1-1 B37 A54 T2-1 B37 A54 T1-1 B37 A66 T2-1 B37 A66							
50 T1-1 B37 A54 T2-1 B37 A54 T1-1 B37 A66 T2-1 B37 A66							
T1-1 B37 A66 T2-1 B37 A66							
1101 001	50						
T1-1 B37 A67 T2-1 B37 A67							
		T1-1	B37	A67	T2-1	B37	A67

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Table 38

T1-1	B37	A68	T2-1	B37	A68
T1-1	B37	A69	T2-1	B37	A69
T1-1	B37	A70	T2-1	B37	A70
T1-1	B37	A76	T2-1	B37	A76
T1-1	B37	A77	T2-1	B37	A77
T1-1	B37	A78	T2-1	B37	A78
T1-1	B37	A106	T2-1	B37	A106
T1-1	B37	A110	T2-1	B37	A110
T2-2	B37	A2	T2-3	B37	A2
T2-2	B37	A5	T2-3	B37	A5
T2-2	B37	A35	T2-3	B37	A35
T2-2	B37	A37	T2-3	B37	A37
T2-2	B37	A45	T2-3	B37	A45
T2-2	B37	A46	T2-3	B37	A46
T2.2	B37	A49	T2-3	B37	A49
T2-2	B37	A54	T2-3	B37	A54
T2-2	B37	A66	T2-3	B37	A66
T2-2	B37	A67	T2-3	B37	A67
T2-2	B37	A68	T2-3	B37	A68
T2-2	B37	A69	T2-3	B37	A69
T2-2	B37	A70	T2-3	B37	A70
T2-2	B37	A76	T2-3	B37	A76
T2-2	B37	A77	T2-3	B37	A77
T2-2	B37	A78	T2-3	B37	A78
T2-2	B37	A106	T2-3	B37	A106
T2-2	B37	A110	T2-3	B37	A110
T2-4	B37	A2	T2-5	B37	A2
T2-4	B37	A5	T2-5	B37	A5
T2-4	B37	A35	T2-5	B37	A35
T2-4	B37	A37	T2-5	B37	A37_
T2-4	B37	A45	T2-5	B37	A45
T2-4	B37	A46	T2-5	B37	A46
T2-4	B37	A49	T2-5	B37	A49
T2-4	B37	A54	T2-5	B37	A54_
T2-4	B37	A66	T2-5	B37	A66
T2-4	B37	A67	T2-5	B37	A67
T2-4	B37	A68	T2-5	B37	A68
T2-4	B37	A69	T2-5	B37	A69
T2-4	B37	A70	T2-5	B37	A7.0
T2-4	B37	A76	T2-5	B37	A76
T2-4	B37	A77	T2-5	B37	A77
T2-4	B37	A78	T2-5	B37	A78
T2-4	B37	A106	T2-5	B37	A106

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Table 39

T2-4	B37	A110	T2-5	B37	A110
T5-1	B37	A2	T7-1	B37	A2
T5-1	B37	A5	T7-1	B37	A5
T5-1	B37	A35	T7-1	B37	A35
T5-1	B37	A37	T7-1	B37	A37
T5-1	B37	A45	T7-1	B37	A45
T5-1	B37	A46	T7-1	B37	A46
T5-1	B37	A49	T7-1	B37	A49
T5-1	B37	A54	T7-1	B37	A54
T5-1	B37	A66	T7-1	B37	A66
T5-1	B37	A67	T7-1	B37	A67
T5-1	B37	A68	T7-1	B37	A68
T5-1	B37	A69	T7-1	B37	A69
T5-1	B37	A70	T7-1	B37	A70
T5-1	B37	A76	T7-1	B37	A76
T5-1	B37	A77	T7-1	B37	A77
T5-1	B37	A78	T7-1	B37	A78
T5-1	B37	A106	T7-1	B37	A106
T5-1	B37	A110	T7-1	B37	A110
T1-1	B38	A2	T2-1	B38	A2
T1-1	B38	A5	T2-1	B38	A5
T1-1	B38	A35	T2-1	B38	A35_
T1-1	B38	A37	T2-1	B38	A37
T1-1	B38	A45	T2-1	B38	A45
T1-1	B38	A46	T2-1	B38	A46
T1-1	B38	.449	T2-1	B38	A49
T1-1	B38_	A54	T2-1	B38	A54
T1-1	B38_	A66	T2-1	B38	A66,
T1-1	B38	A67	T2-1	B38	A67
T1-1	B38	A68	T2-1	B38	A68
T1-1	B38	A69	T2-1	B38	A69
T1-1	B38	A70	T2-1	B38	A70
T1-1	B38	A76	T2-1	B38	A76
T1-1	B38'	A77	T2-1	B38	A77
T1-1	B38	A78	T2-1	B38	A78
T1-1	B38	A106	T2-1_	B38	A106
T1-1	B38_	A110	T2-1	B38	A110
T2-2	B38	A2	T2-3	B38	A2
T2-2	B38	A5	T2-3	B38	A5
T2-2	B38	A35	T2-3	B38	A35
T2-2	B38	A37	T2-3	B38	A37
T2-2	B38	A45	T2-3	B38	A45
T2-2	B38	A46	T2-3	B38	A46

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Table 40

	Table 40					
	T2-2	B38	A49	T2-3	B38	A49
5	T2-2	B38	A54	T2-3	B38	A54
	T2-2	B38	A66	T2-3	B38	A66
	T2-2	B38	A67	T2-3	B38	A67
	T2-2	B38	A68	T2-3	B38	A68
10	T2-2	B38	A69	T2-3	B38	A69
10	T2-2	B38	A70	T2-3	B38	A70
	T2-2	B38	A76	T2-3	B38	A76
	T2-2	B38	A77	T2-3	B38	A77
	T2-2	B38	A78	T2-3	B38	A78
15	T2-2	B38	A106	T2-3	B38	A106
	T2-2	B38	A110	T2-3	B38	A110
	T2-4	B38	A2	T2-5	B38	A2
	T2-4	B38	A5	T2-5	B38	Aõ
20	T2-4	B38	A35	T2-5	B38	A35
	T2-4	B38	A37	T2-5	B38	A37
	T2-4	B38	A45	T2-5	B38	A45
	T2-4	B38	A46	T2-5	B38	A46
25	T2-4	B38	A49	T2-5	B38	A49
25	T2-4	B38	A54	T2-5	B38	A54
	T2-4	B38	A66	T2-5	B38	A66
	T2-4	B38	A67	T2-5	B38	A67
	T2-4	B38	A68	T2-5	B38 .	A68
30	T2-4	B38	A69	T2-5	B38	A69
	T2-4	B38	A70	T2-5	B38	A70
	T2-4	B38	A76	T2-5	B38	A76
	T2-4	B38	A77	T2-5	B38	A77
35	T2-4	B38	A78	T2-5	B38	A78
	T2-4	B38	A106	T2-5	B38	A106
	T2-4	B38	A110	T2-5	B38	A110
	T5-1	B38	A2	T7-1	B38	.A2
40	T5-1	B38	A5	T7-1	B38	A5
40	T5-1	B38	A35	T7-1	B38	A35
	T5-1	B38	A37	T7-1	B38	A37
	T5-1	B38	A45	T7-1	B38	A45
	T5-1	B38	A46	T7-1	B38	A46
45	T5-1	B38	A49	T7-1	B38	A49
	T5-1	B38	A54	T7-1	B38	A54
	T5-1	B38	A66	. T7-1	B38	A66
	T5-1	B38	A67	T7-1	B38	A67
50	T5-1	B38	A68	T7-1	B38	A68
	T5-I	B38	A69	T7-1	B38	A69 .
	The t	D.10	1.70	T- 1	פנים ו	170

B38

T5-1

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T7-1

B:38

A70

A70

Table 41

T5-1	B38	A76	T7-1	B38	A76
	B38	A77	T7-1	B38	A77
T5-1	B38	A78	T7-1	B38	A78
	B38	A106	T7-1	B38	A106
T5-1	B38	A110	T7-1	B38	A110
	B39	A2	T2-1	B39	A2
		A5	T2-1	B39	A5
		A35	T2-1	B39	A35
		A37	T2-1	B39	A37
	B39	A45	T2-1	B39	A45
	B39	A46	T2-1	B39	A46
	B39	A49	T2-1	B39	A49
	B39	A54	T2-1	B39	A54
T1-1	B39	A66	T2-1	B39	A66
T1-1	B39	A67	T2-1	B39	A67
T1-1	B39	A68	T2-1	B39	A68
T1-1	B39	A69	T2-1	B39	A69
T1-1	B39	A70	T2-1		A70
T1-1	B39	A76	T2-1	B39	A76
T1-1	B39	A77	T2-1	B39	A77
T1-1	B39	A78	T2-1		A78
T1-1	B39	A106	T2-1		A106
T1-1	B39	A110	T2-1	B39	A110
T2-2	B39	A2	T2-3	B39	A2
T2-2	B39	A5	T2-3		A5
T2-2	B39	A35	T2-3		A35
T2-2	B39	A37	(A37
T2-2	B39				A45
T2-2	B39	A46			A46
T2-2	B39			ļ	A49
T2-2	B39				A54
T2-2	B39	A66			A66
T2-2					A67
T2-2	B39				A68
T2-2	B39				A69
T2-2	B39				A70
T2-2	B39				A76
T2-2	B39		-		A77
T2-2	B39		()		A78
T2-2	B39		(A106
T2-2	B39	A110	 		A110
T2-4	B39	A2	T2-5	B39	A2
	T5-1 T5-1 T1-1 T1-1 T1-1 T1-1 T1-1 T1-1	T5-1 B38 T5-1 B38 T5-1 B38 T5-1 B38 T1-1 B39 T2-2 B39 <th>T5-1 B38 A77 T5-1 B38 A106 T5-1 B38 A110 T5-1 B38 A110 T1-1 B39 A2 T1-1 B39 A35 T1-1 B39 A35 T1-1 B39 A45 T1-1 B39 A46 T1-1 B39 A46 T1-1 B39 A49 T1-1 B39 A46 T1-1 B39 A66 T1-1 B39 A66 T1-1 B39 A67 T1-1 B39 A70 T1-1 B39 A76 T1-1 B39 A76 T1-1 B39 A76 T1-1 B39 A77 T1-1 B39 A76 T1-1 B39 A76 T1-1 B39 A77 T2-2 B39 A35 T2-2 B39<th>T5-1 B38 A77 T7-1 T5-1 B38 A78 T7-1 T5-1 B38 A106 T7-1 T5-1 B38 A110 T7-1 T5-1 B38 A110 T7-1 T1-1 B39 A2 T2-1 T1-1 B39 A35 T2-1 T1-1 B39 A45 T2-1 T1-1 B39 A45 T2-1 T1-1 B39 A46 T2-1 T1-1 B39 A46 T2-1 T1-1 B39 A46 T2-1 T1-1 B39 A46 T2-1 T1-1 B39 A66 T2-1 T1-1 B39 A67 T2-1 T1-1 B39 A67 T2-1 T1-1 B39 A68 T2-1 T1-1 B39 A76 T2-1 T1-1 B39 A76 T2-1 T1-1 B39<</th><th>T5-1 B38 A77 T7-1 B38 T5-1 B38 A78 T7-1 B38 T5-1 B38 A106 T7-1 B38 T5-1 B38 A110 T7-1 B38 T1-1 B39 A2 T2-1 B39 T1-1 B39 A35 T2-1 B39 T1-1 B39 A35 T2-1 B39 T1-1 B39 A45 T2-1 B39 T1-1 B39 A45 T2-1 B39 T1-1 B39 A46 T2-1 B39 T1-1 B39 A46 T2-1 B39 T1-1 B39 A46 T2-1 B39 T1-1 B39 A66 T2-1 B39 T1-1 B39 A66 T2-1 B39 T1-1 B39 A68 T2-1 B39 T1-1 B39 A70 T2-1 B39 T1-1<!--</th--></th></th>	T5-1 B38 A77 T5-1 B38 A106 T5-1 B38 A110 T5-1 B38 A110 T1-1 B39 A2 T1-1 B39 A35 T1-1 B39 A35 T1-1 B39 A45 T1-1 B39 A46 T1-1 B39 A46 T1-1 B39 A49 T1-1 B39 A46 T1-1 B39 A66 T1-1 B39 A66 T1-1 B39 A67 T1-1 B39 A70 T1-1 B39 A76 T1-1 B39 A76 T1-1 B39 A76 T1-1 B39 A77 T1-1 B39 A76 T1-1 B39 A76 T1-1 B39 A77 T2-2 B39 A35 T2-2 B39 <th>T5-1 B38 A77 T7-1 T5-1 B38 A78 T7-1 T5-1 B38 A106 T7-1 T5-1 B38 A110 T7-1 T5-1 B38 A110 T7-1 T1-1 B39 A2 T2-1 T1-1 B39 A35 T2-1 T1-1 B39 A45 T2-1 T1-1 B39 A45 T2-1 T1-1 B39 A46 T2-1 T1-1 B39 A46 T2-1 T1-1 B39 A46 T2-1 T1-1 B39 A46 T2-1 T1-1 B39 A66 T2-1 T1-1 B39 A67 T2-1 T1-1 B39 A67 T2-1 T1-1 B39 A68 T2-1 T1-1 B39 A76 T2-1 T1-1 B39 A76 T2-1 T1-1 B39<</th> <th>T5-1 B38 A77 T7-1 B38 T5-1 B38 A78 T7-1 B38 T5-1 B38 A106 T7-1 B38 T5-1 B38 A110 T7-1 B38 T1-1 B39 A2 T2-1 B39 T1-1 B39 A35 T2-1 B39 T1-1 B39 A35 T2-1 B39 T1-1 B39 A45 T2-1 B39 T1-1 B39 A45 T2-1 B39 T1-1 B39 A46 T2-1 B39 T1-1 B39 A46 T2-1 B39 T1-1 B39 A46 T2-1 B39 T1-1 B39 A66 T2-1 B39 T1-1 B39 A66 T2-1 B39 T1-1 B39 A68 T2-1 B39 T1-1 B39 A70 T2-1 B39 T1-1<!--</th--></th>	T5-1 B38 A77 T7-1 T5-1 B38 A78 T7-1 T5-1 B38 A106 T7-1 T5-1 B38 A110 T7-1 T5-1 B38 A110 T7-1 T1-1 B39 A2 T2-1 T1-1 B39 A35 T2-1 T1-1 B39 A45 T2-1 T1-1 B39 A45 T2-1 T1-1 B39 A46 T2-1 T1-1 B39 A46 T2-1 T1-1 B39 A46 T2-1 T1-1 B39 A46 T2-1 T1-1 B39 A66 T2-1 T1-1 B39 A67 T2-1 T1-1 B39 A67 T2-1 T1-1 B39 A68 T2-1 T1-1 B39 A76 T2-1 T1-1 B39 A76 T2-1 T1-1 B39<	T5-1 B38 A77 T7-1 B38 T5-1 B38 A78 T7-1 B38 T5-1 B38 A106 T7-1 B38 T5-1 B38 A110 T7-1 B38 T1-1 B39 A2 T2-1 B39 T1-1 B39 A35 T2-1 B39 T1-1 B39 A35 T2-1 B39 T1-1 B39 A45 T2-1 B39 T1-1 B39 A45 T2-1 B39 T1-1 B39 A46 T2-1 B39 T1-1 B39 A46 T2-1 B39 T1-1 B39 A46 T2-1 B39 T1-1 B39 A66 T2-1 B39 T1-1 B39 A66 T2-1 B39 T1-1 B39 A68 T2-1 B39 T1-1 B39 A70 T2-1 B39 T1-1 </th

Table 42

1 4016 42					
T2-4	B39	A5	T2-5	B39	A5
T2-4	B39	A35	T2-5	B39	A35
T2-4	B39	A37	T2-5	B39	A37
T2-4	B39	A45	T2-5	B39	A45
T2-4	B39	A46	T2-5	B39	A46
T2-4	B39	A49	T2-5	B39	A49
T2-4	B39	A54	T2-5	B39	A54
T2-4	B39	A66	T2-5	B39	A66
T2-4	B39	A67	T2-5	B39	A67
T2-4	B39	A68	T2-5	B39	A68
T2-4	B39	A69	T2-5	B39	A69
T2-4	B39	A70	T2-5	B39	A70
T2-4	B39	A76	T2-5	B39	A76
T2-4	B39	A77	T2-5	B39	A77
T2-4	B39	A78	T2-5	B39	A78
T2-4	B39	A106	T2-5	B39	A106
T2-4	B39	A110	T2-5	B39	A110
T5-1	B39	A2	T7-1	B39	A2
T5-1	B39	A5	T7-1	B39	A5
T5-1	B39	A35	T7-1	B39	A35
T5-1	B39	A37	T7-1	B39	A37
T5-1	B39	A45	T7-1	B39	A45
T5-1	B39	A46	T7-1	B39	A46
T5-1	B39	A49	T7-1	B39	A49
T5-1	B39	A54	T7-1	B39	A54
T5-1	B39	A66	T7-1	B39	A66
T5-1	B39	A67	T7-1	B39	A67
T5-1	B39	A68	T7-1	B39	A68
T5-1	B39	A69	T7-1	B39	A69
T5-1	B39	A70	T7-1 -	B39	A70
T5-1	B39	A76	T7-1	B39	A76
T5-1	B39	A77	T7-1	B39	A77
T5-1	B39	A78	T7-1	B39	A78
T5-1	B39	A106	T7-1	B39	A106
T5-1	B39	A110	T7-1	B39	A110
T1-1	B40	A2	T2-1	B40	A2
T1-1	B40	A5	T2-1	B40	A5
T1-1	B40	A35	T2-1	B40	A35
T1-1	B40	A37	T2-1	B40	A37
T1-1	B40	A45	T2-1	B40	A45
T1-1	B40	A46	T2-1	B40	A46
T1-1	B40	A49	T2-1	B40	A49

Table 43

T1-1	B40	A54	T2-1	B40	A54
T1-1	B40	A66	T2-1	B40	A66
T1-1	B40	A67	T2-1	B40	A67
T1-1	B40	A68	T2-1	B40	A68
T1-1	B40	A69	T2-1	B40	A69
T1-1	B40	A70 ·	T2-1	B40	A70
T1-1	B40	A76	T2-1	B40	A76
T1-1	B40	A77	T2-1	B40	A77
T1-1	B40	A78	T2-1	B40	A78
T1-1	B40	A106	T2-1	B40	A106
T1-1	B40	A110	T2-1	B40	A110
T2-2	B40	A2	T2-3	B40	A2
T2-2	B40	A5	T2-3	B40	A5
T2-2	B40	A35	T2-3	B40	A35
T2-2	B40	A37	T2-3	B40	A37
T2-2	B40	A45	T2-3	B40	A45
T2-2	B40	A46	T2-3	B40	A46
T2-2	B40	A49	T2-3	B40	A49
T2-2	B40	A54	T2-3	B40	A54
T2-2	B40	A66	T2-3	B40	A66
T2-2	B40	A67	T2-3	B40	A67
T2-2	B40	A68	T2-3	B40	A68
T2-2	B40	A69	T2-3	B40	A69
T2-2	B40	A70	T2-3	B40	A70
T2-2	B40	A76	T2-3	B40	A76
T2-2	B40	A77	T2-3	B40	A77
T2-2	B40	A78	T2-3	B40	A78
T2-2	B40	A106	T2-3	B40	A106
T2-2	B40	A110	T2-3	B40	A110
T2-4	B40	A2	T2-5	B40	A2
T2-4	B40	A5	T2-5	B40	A5
T2-4	B40	A35	T2-5	B40	A35
T2-4	B40	A37	T2-5	B40	A37
T2-4	B40	A45	T2-5	B40	A45
T2-4	B40	A46	T2-5	B40	A46
T2-4	B40	A49	T2-5	B40	A49
T2-4	B40	A54	T2-5	B40	A54
T2-4	B40	A66	T2-5	B40	A66
T2-4	B40	A67	T2-5	B40	A67
T2-4	B40	A68	T2-5	B40	A68
T2-4	B40	A69	T2-5	B40	A69
T2-4	B40	A70	T2-5	B40	A70

Table 44

T2-4 B40 A76 T2-5 B40 A76 T2-4 B40 A77 T2-5 B40 A77 T2-4 B40 A106 T2-5 B40 A106 T2-4 B40 A106 T2-5 B40 A106 T2-4 B40 A110 T2-5 B40 A110 T5-1 B40 A2 T7-1 B40 A2 T5-1 B40 A3 T7-1 B40 A3 T5-1 B40 A35 T7-1 B40 A3 T5-1 B40 A35 T7-1 B40 A3 T5-1 B40 A45 T7-1 B40 A45 T5-1 B40 A46 T7-1 B40 A46 T5-1 B40 A46 T7-1 B40 A46 T5-1 B40 A66 T7-1 B40 A66 T5-1 B40 A66 T7-1 B40 A67 </th <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>						
T2-4 B40 A78 T2-5 B40 A78 T2-4 B40 A106 T2-5 B40 A106 T2-4 B40 A110 T2-5 B40 A110 T5-1 B40 A2 T7-1 B40 A2 T5-1 B40 A35 T7-1 B40 A35 T5-1 B40 A35 T7-1 B40 A35 T5-1 B40 A35 T7-1 B40 A35 T5-1 B40 A45 T7-1 B40 A45 T5-1 B40 A46 T7-1 B40 A46 T5-1 B40 A46 T7-1 B40 A46 T5-1 B40 A46 T7-1 B40 A46 T5-1 B40 A66 T7-1 B40 A66 T5-1 B40 A67 T7-1 B40 A67 T5-1 B40 A68 T7-1 B40 A69	T2-4	B40	A76	T2.5	B40	A76
T2-4 B40 A106 T2-5 B40 A106 T2-4 B40 A110 T2-5 B40 A110 T5-1 B40 A2 T7-1 B40 A2 T5-1 B40 A3 T7-1 B40 A3 T5-1 B40 A35 T7-1 B40 A35 T5-1 B40 A37 T7-1 B40 A35 T5-1 B40 A45 T7-1 B40 A45 T5-1 B40 A46 T7-1 B40 A45 T5-1 B40 A46 T7-1 B40 A46 T5-1 B40 A46 T7-1 B40 A49 T5-1 B40 A66 T7-1 B40 A66 T5-1 B40 A66 T7-1 B40 A66 T5-1 B40 A68 T7-1 B40 A69 T5-1 B40 A76 T7-1 B40 A76 </td <td>T2-4</td> <td>B40</td> <td>A77</td> <td>T2-5</td> <td>B40</td> <td>A77</td>	T2-4	B40	A77	T2-5	B40	A77
T2-4 B40 A110 T2-5 B40 A110 T5-1 B40 A2 T7-1 B40 A2 T5-1 B40 A5 T7-1 B40 A35 T5-1 B40 A35 T7-1 B40 A35 T5-1 B40 A37 T7-1 B40 A35 T5-1 B40 A45 T7-1 B40 A45 T5-1 B40 A46 T7-1 B40 A45 T5-1 B40 A46 T7-1 B40 A46 T5-1 B40 A49 T7-1 B40 A46 T5-1 B40 A66 T7-1 B40 A66 T5-1 B40 A66 T7-1 B40 A67 T5-1 B40 A68 T7-1 B40 A68 T5-1 B40 A69 T7-1 B40 A69 T5-1 B40 A76 T7-1 B40 A76 <td>T2-4</td> <td>B40</td> <td>A78</td> <td>T2-5</td> <td>B40</td> <td>A78</td>	T2-4	B40	A78	T2-5	B40	A78
T5-1 B40 A2 T7-1 B40 A5 T5-1 B40 A35 T7-1 B40 A35 T5-1 B40 A35 T7-1 B40 A35 T5-1 B40 A45 T7-1 B40 A45 T5-1 B40 A45 T7-1 B40 A46 T5-1 B40 A46 T7-1 B40 A46 T5-1 B40 A46 T7-1 B40 A46 T5-1 B40 A46 T7-1 B40 A46 T5-1 B40 A54 T7-1 B40 A66 T5-1 B40 A66 T7-1 B40 A66 T5-1 B40 A68 T7-1 B40 A67 T5-1 B40 A68 T7-1 B40 A69 T5-1 B40 A76 T7-1 B40 A76 T5-1 B40 A76 T7-1 B40 A76 <td>T2-4</td> <td>B40</td> <td>A106</td> <td>T2-5</td> <td>B40</td> <td>A106</td>	T2-4	B40	A106	T2-5	B40	A106
T5-1 B40 A5 T7-1 B40 A35 T5-1 B40 A35 T7-1 B40 A35 T5-1 B40 A37 T7-1 B40 A37 T5-1 B40 A45 T7-1 B40 A45 T5-1 B40 A46 T7-1 B40 A46 T5-1 B40 A49 T7-1 B40 A49 T5-1 B40 A49 T7-1 B40 A49 T5-1 B40 A66 T7-1 B40 A54 T5-1 B40 A66 T7-1 B40 A66 T5-1 B40 A68 T7-1 B40 A67 T5-1 B40 A69 T7-1 B40 A69 T5-1 B40 A76 T7-1 B40 A76 T5-1 B40 A76 T7-1 B40 A76 T5-1 B40 A76 T7-1 B40 A76 <td>T2-4</td> <td>B40</td> <td>A110</td> <td>T2-5</td> <td>B40</td> <td>A110</td>	T2-4	B40	A110	T2-5	B40	A110
T5-1 B40 A35 T7-1 B40 A35 T5-1 B40 A37 T7-1 B40 A37 T5-1 B40 A45 T7-1 B40 A45 T5-1 B40 A46 T7-1 B40 A46 T5-1 B40 A49 T7-1 B40 A46 T5-1 B40 A54 T7-1 B40 A54 T5-1 B40 A66 T7-1 B40 A54 T5-1 B40 A66 T7-1 B40 A66 T5-1 B40 A68 T7-1 B40 A66 T5-1 B40 A68 T7-1 B40 A69 T5-1 B40 A69 T7-1 B40 A69 T5-1 B40 A76 T7-1 B40 A70 T5-1 B40 A76 T7-1 B40 A76 T5-1 B40 A77 T7-1 B40 A77 </td <td>T5-1</td> <td>B40</td> <td>A2</td> <td>T7-1</td> <td>B40</td> <td>A2</td>	T5-1	B40	A2	T7-1	B40	A2
T5-1 B40 A37 T7-1 B40 A37 T5-1 B40 A45 T7-1 B40 A45 T5-1 B40 A46 T7-1 B40 A46 T5-1 B40 A49 T7-1 B40 A49 T5-1 B40 A54 T7-1 B40 A54 T5-1 B40 A66 T7-1 B40 A66 T5-1 B40 A66 T7-1 B40 A66 T5-1 B40 A68 T7-1 B40 A67 T5-1 B40 A69 T7-1 B40 A68 T5-1 B40 A70 T7-1 B40 A69 T5-1 B40 A76 T7-1 B40 A76 T5-1 B40 A76 T7-1 B40 A76 T5-1 B40 A77 T7-1 B40 A77 T5-1 B40 A106 T7-1 B40 A106		B40	A5	T7-1	B40	A5
T5-1 B40 A45 T7-1 B40 A45 T5-1 B40 A46 T7-1 B40 A46 T5-1 B40 A49 T7-1 B40 A49 T5-1 B40 A54 T7-1 B40 A54 T5-1 B40 A66 T7-1 B40 A66 T5-1 B40 A67 T7-1 B40 A67 T5-1 B40 A68 T7-1 B40 A67 T5-1 B40 A68 T7-1 B40 A68 T5-1 B40 A68 T7-1 B40 A68 T5-1 B40 A76 T7-1 B40 A76 T5-1 B40 A76 T7-1 B40 A76 T5-1 B40 A77 T7-1 B40 A77 T5-1 B40 A78 T7-1 B40 A78 T5-1 B40 A106 T7-1 B40 A106	T5-1	B40	A35	T7-1	B40	A35
T5-1 B40 A46 T7-1 B40 A46 T5-1 B40 A49 T7-1 B40 A49 T5-1 B40 A54 T7-1 B40 A54 T5-1 B40 A66 T7-1 B40 A66 T5-1 B40 A67 T7-1 B40 A67 T5-1 B40 A68 T7-1 B40 A68 T5-1 B40 A69 T7-1 B40 A69 T5-1 B40 A70 T7-1 B40 A70 T5-1 B40 A76 T7-1 B40 A76 T5-1 B40 A76 T7-1 B40 A76 T5-1 B40 A77 T7-1 B40 A77 T5-1 B40 A78 T7-1 B40 A78 T5-1 B40 A106 T7-1 B40 A78 T5-1 B40 A106 T7-1 B40 A10	T5-1	B40	A37	T7-1	B40	A37
T5-1 B40 A49 T7-1 B40 A49 T5-1 B40 A54 T7-1 B40 A54 T5-1 B40 A66 T7-1 B40 A66 T5-1 B40 A67 T7-1 B40 A67 T5-1 B40 A68 T7-1 B40 A68 T5-1 B40 A69 T7-1 B40 A69 T5-1 B40 A70 T7-1 B40 A69 T5-1 B40 A76 T7-1 B40 A76 T5-1 B40 A76 T7-1 B40 A76 T5-1 B40 A78 T7-1 B40 A77 T5-1 B40 A78 T7-1 B40 A78 T5-1 B40 A106 T7-1 B40 A106 T5-1 B40 A110 T7-1 B40 A110 T1-1 B41 A2 T2-1 B41 A5	T5-1	B40	A45	T7-1	B40	A45
T5-1 B40 A54 T7-1 B40 A54 T5-1 B40 A66 T7-1 B40 A66 T5-1 B40 A67 T7-1 B40 A67 T5-1 B40 A68 T7-1 B40 A68 T5-1 B40 A69 T7-1 B40 A69 T5-1 B40 A70 T7-1 B40 A70 T5-1 B40 A76 T7-1 B40 A76 T5-1 B40 A76 T7-1 B40 A76 T5-1 B40 A77 T7-1 B40 A77 T5-1 B40 A78 T7-1 B40 A78 T5-1 B40 A106 T7-1 B40 A106 T5-1 B40 A110 T7-1 B40 A100 T5-1 B40 A110 T7-1 B40 A110 T1-1 B41 A5 T2-1 B41	T5-1	B40	A46	T7-1	B40	A46
T5-1 B40 A66 T7-1 B40 A66 T5-1 B40 A67 T7-1 B40 A67 T5-1 B40 A68 T7-1 B40 A68 T5-1 B40 A69 T7-1 B40 A69 T5-1 B40 A70 T7-1 B40 A70 T5-1 B40 A76 T7-1 B40 A76 T5-1 B40 A77 T7-1 B40 A77 T5-1 B40 A78 T7-1 B40 A78 T5-1 B40 A106 T7-1 B40 A78 T5-1 B40 A106 T7-1 B40 A106 T5-1 B40 A110 T7-1 B40 A110 T1-1 B41 A2 T2-1 B41 A2 T1-1 B41 A35 T2-1 B41 A35 T1-1 B41 A45 T2-1 B41 A4	T5-1	B40	A49	T7-1	B40	A49
T5-1 B40 A67 T7-1 B40 A68 T5-1 B40 A68 T7-1 B40 A68 T5-1 B40 A69 T7-1 B40 A69 T5-1 B40 A70 T7-1 B40 A70 T5-1 B40 A76 T7-1 B40 A76 T5-1 B40 A77 T7-1 B40 A77 T5-1 B40 A78 T7-1 B40 A78 T5-1 B40 A106 T7-1 B40 A106 T5-1 B40 A110 T7-1 B40 A106 T5-1 B40 A110 T7-1 B40 A110 T1-1 B41 A2 T2-1 B41 A2 T1-1 B41 A5 T2-1 B41 A5 T1-1 B41 A35 T2-1 B41 A45 T1-1 B41 A45 T2-1 B41 A46	T5-1	B40	A54	T7-1	B40	A54
T5-1 B40 A68 T7-1 B40 A68 T5-1 B40 A69 T7-1 B40 A69 T5-1 B40 A70 T7-1 B40 A70 T5-1 B40 A76 T7-1 B40 A76 T5-1 B40 A78 T7-1 B40 A77 T5-1 B40 A106 T7-1 B40 A106 T5-1 B40 A106 T7-1 B40 A106 T5-1 B40 A110 T7-1 B40 A110 T1-1 B41 A2 T2-1 B41 A2 T1-1 B41 A5 T2-1 B41 A5 T1-1 B41 A35 T2-1 B41 A35 T1-1 B41 A35 T2-1 B41 A35 T1-1 B41 A45 T2-1 B41 A45 T1-1 B41 A46 T2-1 B41 A46	T5-1	B40	A66	T7-1	B40	A66
T5-1 B40 A69 T7-1 B40 A69 T5-1 B40 A70 T7-1 B40 A70 T5-1 B40 A76 T7-1 B40 A76 T5-1 B40 A77 T7-1 B40 A77 T5-1 B40 A78 T7-1 B40 A78 T5-1 B40 A106 T7-1 B40 A106 T5-1 B40 A106 T7-1 B40 A106 T5-1 B40 A110 T7-1 B40 A110 T1-1 B41 A2 T2-1 B41 A2 T1-1 B41 A5 T2-1 B41 A5 T1-1 B41 A35 T2-1 B41 A35 T1-1 B41 A45 T2-1 B41 A45 T1-1 B41 A46 T2-1 B41 A46 T1-1 B41 A49 T2-1 B41 A46	T5-1	B40	A67	T7-1	B40	A67
T5-1 B40 A70 T7-1 B40 A70 T5-1 B40 A76 T7-1 B40 A76 T5-1 B40 A77 T7-1 B40 A77 T5-1 B40 A78 T7-1 B40 A78 T5-1 B40 A106 T7-1 B40 A106 T5-1 B40 A110 T7-1 B40 A110 T1-1 B41 A2 T2-1 B41 A2 T1-1 B41 A5 T2-1 B41 A5 T1-1 B41 A35 T2-1 B41 A35 T1-1 B41 A35 T2-1 B41 A35 T1-1 B41 A45 T2-1 B41 A45 T1-1 B41 A46 T2-1 B41 A46 T1-1 B41 A46 T2-1 B41 A46 T1-1 B41 A66 T2-1 B41 A66 </td <td>T5-1</td> <td>B40</td> <td>A68</td> <td>T7-1</td> <td>B40</td> <td>A68</td>	T5-1	B40	A68	T7-1	B40	A68
T5-1 B40 A76 T7-1 B40 A76 T5-1 B40 A77 T7-1 B40 A77 T5-1 B40 A78 T7-1 B40 A78 T5-1 B40 A106 T7-1 B40 A106 T5-1 B40 A110 T7-1 B40 A110 T1-1 B41 A2 T2-1 B41 A2 T1-1 B41 A5 T2-1 B41 A5 T1-1 B41 A35 T2-1 B41 A35 T1-1 B41 A35 T2-1 B41 A35 T1-1 B41 A45 T2-1 B41 A45 T1-1 B41 A46 T2-1 B41 A46 T1-1 B41 A46 T2-1 B41 A46 T1-1 B41 A46 T2-1 B41 A46 T1-1 B41 A66 T2-1 B41 A66 </td <td>T5-1</td> <td>B40</td> <td>A69</td> <td>T7-1</td> <td>B40</td> <td>A69</td>	T5-1	B40	A69	T7-1	B40	A69
T5-1 B40 A77 T7-1 B40 A78 T5-1 B40 A78 T7-1 B40 A78 T5-1 B40 A106 T7-1 B40 A106 T5-1 B40 A110 T7-1 B40 A110 T1-1 B41 A2 T2-1 B41 A2 T1-1 B41 A35 T2-1 B41 A5 T1-1 B41 A35 T2-1 B41 A35 T1-1 B41 A35 T2-1 B41 A37 T1-1 B41 A45 T2-1 B41 A45 T1-1 B41 A45 T2-1 B41 A46 T1-1 B41 A46 T2-1 B41 A46 T1-1 B41 A54 T2-1 B41 A54 T1-1 B41 A66 T2-1 B41 A66 T1-1 B41 A67 T2-1 B41 A68<	T5-1	B40	A70	T7-1	B40	A70
T5-1 B40 A78 T7-1 B40 A78 T5-1 B40 A106 T7-1 B40 A106 T5-1 B40 A110 T7-1 B40 A110 T1-1 B41 A2 T2-1 B41 A2 T1-1 B41 A5 T2-1 B41 A5 T1-1 B41 A35 T2-1 B41 A35 T1-1 B41 A37 T2-1 B41 A37 T1-1 B41 A45 T2-1 B41 A45 T1-1 B41 A45 T2-1 B41 A45 T1-1 B41 A46 T2-1 B41 A46 T1-1 B41 A46 T2-1 B41 A46 T1-1 B41 A54 T2-1 B41 A54 T1-1 B41 A66 T2-1 B41 A66 T1-1 B41 A68 T2-1 B41 A68 </td <td>T5-1</td> <td>B40</td> <td>A76</td> <td>T7-1</td> <td>B40</td> <td>A76</td>	T5-1	B40	A76	T7-1	B40	A76
T5-1 B40 A106 T7-1 B40 A106 T5-1 B40 A110 T7-1 B40 A110 T1-1 B41 A2 T2-1 B41 A2 T1-1 B41 A5 T2-1 B41 A5 T1-1 B41 A35 T2-1 B41 A35 T1-1 B41 A37 T2-1 B41 A37 T1-1 B41 A45 T2-1 B41 A45 T1-1 B41 A46 T2-1 B41 A46 T1-1 B41 A46 T2-1 B41 A46 T1-1 B41 A49 T2-1 B41 A49 T1-1 B41 A54 T2-1 B41 A66 T1-1 B41 A66 T2-1 B41 A67 T1-1 B41 A68 T2-1 B41 A68 T1-1 B41 A68 T2-1 B41 A68 </td <td>T5-1</td> <td>B40</td> <td>A77</td> <td>T7-1</td> <td>B40</td> <td>A77</td>	T5-1	B40	A77	T7-1	B40	A77
T5-1 B40 A110 T7-1 B40 A110 T1-1 B41 A2 T2-1 B41 A2 T1-1 B41 A5 T2-1 B41 A5 T1-1 B41 A35 T2-1 B41 A35 T1-1 B41 A37 T2-1 B41 A37 T1-1 B41 A45 T2-1 B41 A45 T1-1 B41 A46 T2-1 B41 A46 T1-1 B41 A49 T2-1 B41 A49 T1-1 B41 A54 T2-1 B41 A49 T1-1 B41 A66 T2-1 B41 A66 T1-1 B41 A66 T2-1 B41 A66 T1-1 B41 A67 T2-1 B41 A67 T1-1 B41 A68 T2-1 B41 A68 T1-1 B41 A69 T2-1 B41 A70 <td>T5-1</td> <td>B40</td> <td>A78</td> <td>T7-1</td> <td>B40</td> <td>A78</td>	T5-1	B40	A78	T7-1	B40	A78
T1-1 B41 A2 T2-1 B41 A2 T1-1 B41 A5 T2-1 B41 A5 T1-1 B41 A35 T2-1 B41 A35 T1-1 B41 A37 T2-1 B41 A37 T1-1 B41 A45 T2-1 B41 A45 T1-1 B41 A46 T2-1 B41 A46 T1-1 B41 A46 T2-1 B41 A46 T1-1 B41 A49 T2-1 B41 A49 T1-1 B41 A54 T2-1 B41 A54 T1-1 B41 A66 T2-1 B41 A66 T1-1 B41 A67 T2-1 B41 A67 T1-1 B41 A68 T2-1 B41 A68 T1-1 B41 A69 T2-1 B41 A69 T1-1 B41 A76 T2-1 B41 A76	T5-1	B40	A106	T7-1	B40	A106
T1-1 B41 A5 T2-1 B41 A5 T1-1 B41 A35 T2-1 B41 A35 T1-1 B41 A37 T2-1 B41 A37 T1-1 B41 A45 T2-1 B41 A45 T1-1 B41 A46 T2-1 B41 A46 T1-1 B41 A49 T2-1 B41 A49 T1-1 B41 A54 T2-1 B41 A54 T1-1 B41 A66 T2-1 B41 A66 T1-1 B41 A66 T2-1 B41 A66 T1-1 B41 A67 T2-1 B41 A68 T1-1 B41 A68 T2-1 B41 A68 T1-1 B41 A70 T2-1 B41 A70 T1-1 B41 A76 T2-1 B41 A76 T1-1 B41 A76 T2-1 B41 A76 <td>T5-1</td> <td>B40</td> <td>A110</td> <td>T7-1</td> <td>B40</td> <td>A110</td>	T5-1	B40	A110	T7-1	B40	A110
T1-1 B41 A35 T2-1 B41 A35 T1-1 B41 A37 T2-1 B41 A37 T1-1 B41 A45 T2-1 B41 A45 T1-1 B41 A46 T2-1 B41 A46 T1-1 B41 A49 T2-1 B41 A49 T1-1 B41 A54 T2-1 B41 A54 T1-1 B41 A66 T2-1 B41 A66 T1-1 B41 A67 T2-1 B41 A67 T1-1 B41 A68 T2-1 B41 A68 T1-1 B41 A69 T2-1 B41 A69 T1-1 B41 A70 T2-1 B41 A70 T1-1 B41 A76 T2-1 B41 A76 T1-1 B41 A76 T2-1 B41 A76 T1-1 B41 A77 T2-1 B41 A77 </td <td>T1-1</td> <td>B41</td> <td>A2</td> <td>T2-1</td> <td>B41</td> <td>A2</td>	T1-1	B41	A2	T2-1	B41	A2
T1-1 B41 A37 T2-1 B41 A37 T1-1 B41 A45 T2-1 B41 A45 T1-1 B41 A46 T2-1 B41 A46 T1-1 B41 A49 T2-1 B41 A49 T1-1 B41 A54 T2-1 B41 A54 T1-1 B41 A66 T2-1 B41 A66 T1-1 B41 A67 T2-1 B41 A67 T1-1 B41 A68 T2-1 B41 A68 T1-1 B41 A69 T2-1 B41 A69 T1-1 B41 A70 T2-1 B41 A70 T1-1 B41 A76 T2-1 B41 A76 T1-1 B41 A76 T2-1 B41 A76 T1-1 B41 A77 T2-1 B41 A77 T1-1 B41 A78 T2-1 B41 A78 </td <td>T1-1</td> <td>B41</td> <td>A5</td> <td>T2-1</td> <td>B41</td> <td>A5</td>	T1-1	B41	A5	T2-1	B41	A5
T1-1 B41 A45 T2-1 B41 A45 T1-1 B41 A46 T2-1 B41 A46 T1-1 B41 A49 T2-1 B41 A49 T1-1 B41 A54 T2-1 B41 A54 T1-1 B41 A66 T2-1 B41 A66 T1-1 B41 A67 T2-1 B41 A67 T1-1 B41 A68 T2-1 B41 A68 T1-1 B41 A69 T2-1 B41 A69 T1-1 B41 A70 T2-1 B41 A70 T1-1 B41 A76 T2-1 B41 A76 T1-1 B41 A76 T2-1 B41 A76 T1-1 B41 A77 T2-1 B41 A77 T1-1 B41 A78 T2-1 B41 A78	T1-1	B41	A35	T2-1	B41	A35
T1-1 B41 A46 T2-1 B41 A46 T1-1 B41 A49 T2-1 B41 A49 T1-1 B41 A54 T2-1 B41 A54 T1-1 B41 A66 T2-1 B41 A66 T1-1 B41 A67 T2-1 B41 A67 T1-1 B41 A68 T2-1 B41 A68 T1-1 B41 A69 T2-1 B41 A69 T1-1 B41 A70 T2-1 B41 A70 T1-1 B41 A76 T2-1 B41 A76 T1-1 B41 A76 T2-1 B41 A76 T1-1 B41 A77 T2-1 B41 A77 T1-1 B41 A78 T2-1 B41 A78	T1-1	B41	A37	T2-1	B41	A37
T1-1 B41 A49 T2-1 B41 A49 T1-1 B41 A54 T2-1 B41 A54 T1-1 B41 A66 T2-1 B41 A66 T1-1 B41 A67 T2-1 B41 A67 T1-1 B41 A68 T2-1 B41 A68 T1-1 B41 A69 T2-1 B41 A69 T1-1 B41 A70 T2-1 B41 A70 T1-1 B41 A76 T2-1 B41 A76 T1-1 B41 A77 T2-1 B41 A77 T1-1 B41 A78 T2-1 B41 A78	T1-1	B41	A45	T2-1	B41	A45
T1-1 B41 A54 T2-1 B41 A54 T1-1 B41 A66 T2-1 B41 A66 T1-1 B41 A67 T2-1 B41 A67 T1-1 B41 A68 T2-1 B41 A68 T1-1 B41 A69 T2-1 B41 A69 T1-1 B41 A70 T2-1 B41 A70 T1-1 B41 A76 T2-1 B41 A76 T1-1 B41 A77 T2-1 B41 A77 T1-1 B41 A78 T2-1 B41 A78	T1-1	B41	A46	T2-1	B41	A46
T1-1 B41 A66 T2-1 B41 A66 T1-1 B41 A67 T2-1 B41 A67 T1-1 B41 A68 T2-1 B41 A68 T1-1 B41 A69 T2-1 B41 A69 T1-1 B41 A70 T2-1 B41 A70 T1-1 B41 A76 T2-1 B41 A76 T1-1 B41 A77 T2-1 B41 A77 T1-1 B41 A78 T2-1 B41 A78	T1-1	B41	A49	T2-1	B41	A49
T1-1 B41 A67 T2-1 B41 A67 T1-1 B41 A68 T2-1 B41 A68 T1-1 B41 A69 T2-1 B41 A69 T1-1 B41 A70 T2-1 B41 A70 T1-1 B41 A76 T2-1 B41 A76 T1-1 B41 A77 T2-1 B41 A77 T1-1 B41 A78 T2-1 B41 A78	T1-1	B41	A54	T2-1	B41	
T1-1 B41 A68 T2-1 B41 A68 T1-1 B41 A69 T2-1 B41 A69 T1-1 B41 A70 T2-1 B41 A70 T1-1 B41 A76 T2-1 B41 A76 T1-1 B41 A77 T2-1 B41 A77 T1-1 B41 A78 T2-1 B41 A78		B41	A66		<u> </u>	
T1-1 B41 A69 T2-1 B41 A69 T1-1 B41 A70 T2-1 B41 A70 T1-1 B41 A76 T2-1 B41 A76 T1-1 B41 A77 T2-1 B41 A77 T1-1 B41 A78 T2-1 B41 A78		B41		 		A67
T1-1 B41 A70 T2-1 B41 A70 T1-1 B41 A76 T2-1 B41 A76 T1-1 B41 A77 T2-1 B41 A77 T1-1 B41 A78 T2-1 B41 A78		B41			 	
T1-1 B41 A76 T2-1 B41 A76 T1-1 B41 A77 T2-1 B41 A77 T1-1 B41 A78 T2-1 B41 A78	<u> </u>	B41		<u> </u>		
T1-1 B41 A77 T2-1 B41 A77 T1-1 B41 A78 T2-1 B41 A78						
T1-1 B41 A78 T2-1 B41 A78		B41				
	T1-1	B41				
T1-1 B41 A106 T2-1 B41 A106		B41				
	T1-1	B41				
T1-1 B41 A110 T2-1 B41 A110	T1-1	B41	A110	T2-1	B41	A110

Table 45

· ·	Table 45					
	T2-2	B41	A2	T2-3	B41	A2
5	T2-2	B41	A5	T2-3	B41	A5
	T2-2	B41	A35	T2-3	B41	A35
	T2-2	B41	A37	T2-3	B41	A37
	T2-2	B41	A45	T2-3	B41	A45
10	T2-2	B41 ·	A46	T2-3	B41	A46
	T2-2	B41	A49	T2-3	B41	A49
	T2-2	B41	A54	T2-3	B41	A54
	T2-2	B41	A66	T2-3	B41	A66
	T2-2	B41	A67	T2-3	B41	A67
15	T2-2	B41	A68	T2-3	B41	A68
	T2-2	B41	A69	T2-3	B41	A69
	T2-2	B41	A70	T2-3	B41	A70
	T2-2	B41	A76	T2-3	B41	A76
20	T2-2	B41	A77	T2-3	B41	A77
	T2-2	B41	A78	T2-3	B41	A78
	T2-2	B41	A106	T2-3	B41 ·	A106_
	T2-2	B41	A110	T2-3	B41	A110
25	T2-4	B41	A2	T2-5	B41	A2
	T2-4	B41	A5	T2-5	B41	A5
	T2-4	B41	A35	T2-5	B41	A35
	T2-4	B41	A37	T2-5	B41	A37
30	T2-4	B41	A45	T2-5	B41	A45
30	T2-4	B41	A46	T2-5	B41	A46
	T2-4	B41	A49	T2-5	B41	A49
	T2-4	B41	A54	T2-5	B41	A54
0.5	T2-4	. B41	A66	T2-5	B41	A66
35	T2-4	B41	. A67	T2-5	B41	A67
	T2-4	B41	A68	T2-5	B41	A68
	T2-4	B41	A69	T2-5	B41	A69
	T2-4	B41	A70	T2-5	B41	A70
40	T2-4	B41	A76	T2-5	B41	A76
	T2-4	B41	A77	T2-5	B41	A77
	T2-4	B41	A78	T2-5	B41	A78
	T2-4	B41	A106	T2-5	B41	A106
45	T2-4	B41	A110	T2-5	B41	A110
	T5-1	B41	A2	T7-1	B41	A2
	T5-1	B41	A5	T7-1	B41	A5
	T5-1	B41	A35	T7-1	B41	A35
50	T5-1	B41	A37	T7-1	B41	A37
	T5-1	B41	A45	T7-1	B41	A45
	T5-1	B41	A46	T7-1	B41	A46

Table 46

T5-1 B41 A49 T7-1 B4 T5-1 B41 A54 T7-1 B4 T5-1 B41 A66 T7-1 B4 T5-1 B41 A67 T7-1 B4 T5-1 B41 A68 T7-1 B4 T5-1 B41 A70 T7-1 B4 T5-1 B41 A76 T7-1 B4 T5-1 B41 A76 T7-1 B4 T5-1 B41 A77 T7-1 B4 T5-1 B41 A78 T7-1 B4 T5-1 B41 A106 T7-1 B4 T5-1 B41 A106 T7-1 B4 T5-1 B41 A100 T7-1 B4 T5-1 B41 A10 T7-1 B4 T1-1 B42 A2 T2-1 B4 T1-1 B42 A35 T2-1 B4 T1-1 <td< th=""><th>1 A54 1 A66 1 A67 1 A68 1 A69 1 A70 1 A76 1 A77 1 A78 1 A106 1 A110 2 A2 2 A5</th></td<>	1 A54 1 A66 1 A67 1 A68 1 A69 1 A70 1 A76 1 A77 1 A78 1 A106 1 A110 2 A2 2 A5
T5-1 B41 A66 T7-1 B41 T5-1 B41 A67 T7-1 B4 T5-1 B41 A68 T7-1 B4 T5-1 B41 A69 T7-1 B4 T5-1 B41 A70 T7-1 B4 T5-1 B41 A76 T7-1 B4 T5-1 B41 A77 T7-1 B4 T5-1 B41 A78 T7-1 B4 T5-1 B41 A106 T7-1 B4 T5-1 B41 A106 T7-1 B4 T5-1 B41 A100 T7-1 B4 T5-1 B41 A100 T7-1 B4 T1-1 B42 A2 T2-1 B45 T1-1 B42 A35 T2-1 B45 T1-1 B42 A35 T2-1 B45	1 A66 1 A67 1 A68 1 A69 1 A70 1 A76 1 A78 1 A78 1 A106 1 A110 2 A2 2 A5
T5-1 B41 A67 T7-1 B41 T5-1 B41 A68 T7-1 B4. T5-1 B41 A69 T7-1 B4. T5-1 B41 A70 T7-1 B4. T5-1 B41 A76 T7-1 B4. T5-1 B41 A77 T7-1 B4. T5-1 B41 A78 T7-1 B4. T5-1 B41 A106 T7-1 B4. T5-1 B41 A110 T7-1 B4. T5-1 B41 A110 T7-1 B4. T1-1 B42 A2 T2-1 B4. T1-1 B42 A35 T2-1 B4. T1-1 B42 A35 T2-1 B4.	1 A67 1 A68 1 A69 1 A70 1 A76 1 A77 1 A78 1 A106 1 A110 2 A2 2 A5
T5-1 B41 A68 T7-1 B41 T5-1 B41 A69 T7-1 B41 T5-1 B41 A70 T7-1 B41 T5-1 B41 A76 T7-1 B41 T5-1 B41 A77 T7-1 B41 T5-1 B41 A78 T7-1 B41 T5-1 B41 A106 T7-1 B42 T5-1 B41 A110 T7-1 B42 T1-1 B42 A2 T2-1 B42 T1-1 B42 A5 T2-1 B42 T1-1 B42 A35 T2-1 B42	1 A68 1 A69 1 A70 1 A76 1 A77 1 A78 1 A106 1 A110 2 A2 2 A5
T5-1 B41 A69 T7-1 B41 T5-1 B41 A70 T7-1 B41 T5-1 B41 A76 T7-1 B42 T5-1 B41 A77 T7-1 B43 T5-1 B41 A78 T7-1 B44 T5-1 B41 A106 T7-1 B43 T5-1 B41 A110 T7-1 B44 T1-1 B42 A2 T2-1 B44 T1-1 B42 A5 T2-1 B45 T1-1 B42 A35 T2-1 B45	1 A69 1 A70 1 A76 1 A77 1 A78 1 A106 1 A110 2 A2 2 A5
T5-1 B41 A70 T7-1 B41 T5-1 B41 A76 T7-1 B4. T5-1 B41 A77 T7-1 B4. T5-1 B41 A78 T7-1 B4. T5-1 B41 A106 T7-1 B4. T5-1 B41 A110 T7-1 B4. T1-1 B42 A2 T2-1 B42 T1-1 B42 A5 T2-1 B42 T1-1 B42 A35 T2-1 B42	1 A70 1 A76 1 A77 1 A78 1 A106 1 A110 2 A2 2 A5
T5-1 B41 A76 T7-1 B41 T5-1 B41 A77 T7-1 B41 T5-1 B41 A78 T7-1 B41 T5-1 B41 A106 T7-1 B42 T5-1 B41 A110 T7-1 B42 T1-1 B42 A2 T2-1 B42 T1-1 B42 A5 T2-1 B42 T1-1 B42 A35 T2-1 B42	1 A76 1 A77 1 A78 1 A106 1 A110 2 A2 2 A5
T5-1 B41 A77 T7-1 B41 T5-1 B41 A78 T7-1 B41 T5-1 B41 A106 T7-1 B42 T5-1 B41 A110 T7-1 B43 T1-1 B42 A2 T2-1 B43 T1-1 B42 A5 T2-1 B43 T1-1 B42 A35 T2-1 B43	1 A77 1 A78 1 A106 1 A110 2 A2 2 A5
T5-1 B41 A78 T7-1 B41 T5-1 B41 A106 T7-1 B42 T5-1 B41 A110 T7-1 B42 T1-1 B42 A2 T2-1 B42 T1-1 B42 A5 T2-1 B42 T1-1 B42 A35 T2-1 B42	A78 1 A106 1 A110 2 A2 2 A5
T5-1 B41 A106 T7-1 B41 T5-1 B41 A110 T7-1 B42 T1-1 B42 A2 T2-1 B42 T1-1 B42 A5 T2-1 B42 T1-1 B42 A35 T2-1 B42	1 A106 1 A110 2 A2 2 A5
T5-1 B41 A110 T7-1 B41 T1-1 B42 A2 T2-1 B42 T1-1 B42 A5 T2-1 B42 T1-1 B42 A35 T2-1 B42	1 A110 2 A2 2 A5
T1-1 B42 A2 T2-1 B42 T1-1 B42 A5 T2-1 B42 T1-1 B42 A35 T2-1 B45	2 A2 2 A5
T1-1 B42 A5 T2-1 B42 T1-1 B42 A35 T2-1 B42	2 A5
T1-1 B42 A35 T2-1 B45	
T1-1 B42 A37 T2-1 B49	2 A35
	2 A37
T1-1 B42 A45 T2-1 B42	2 A45
T1-1 B42 A46 T2-1 B42	2 A46
T1-1 B42 A49 T2-1 B42	2 A49
T1-1 B42 A54 T2-1 B42	2A54
T1-1 B42 A66 T2-1 B42	2 A66
T1-1 B42 A67 T2-1 B42	2 A67
T1-1 B42 A68 T2-1 B42	2 A68
T1-1 B42 A69 T2-1 B42	2 A69
T1-1 B42 A70 T2-1 B42	2 A70
T1-1 B42 A76 T2-1 B42	2 A76
T1-1 B42 A77 T2-1 B42	
T1-1 B42 A78 T2-1 B42	
T1-1 B42 A106 T2-1 B42	
T1-1 B42 A110 T2-1 B42	
T2-2 B42 A2 T2-3 B42	
T2-2 B42 A5 T2-3 B42	
T2-2 B42 A35 T2-3 B42	
T2-2 B42 A37 T2-3 B42	
T2-2 B42 A45 T2-3 B42	A45
T2-2 B42 A46 T2-3 B42	
T2-2 B42 A49 T2-3 B42	
T2-2 B42 A54 T2-3 B42	
T2-2 B42 A66 T2-3 B42	
T2-2 B42 A67 T2-3 B42	
T2-2 B42 A68 T2-3 B42	
T2-2 B42 A69 T2-3 B42	A69

Table 47

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-	table 41					
	T2-2	B42	A70	T2-3	B42	A70
5	T2-2	B42	A76	T2-3	B42	A76
	T2-2	B42	A77	T2-3	B42	A77
	T2-2	B42	A78	T2-3	B42	A78
	T2-2	B42	A106	T2-3	B42	A106
	T2-2	B42	A110	T2-3	B42	A110
10	T2-4	B42	A2	T2-5	B42	A2
	T2-4	B42	A5	T2-5	B42	A5
	T2-4	B42	A35	T2-5	B42	A35
	T2-4	B42	A37	T2-5	B42	A37
15	T2-4	B42	A45	T2-5	B42	A45
	T2-4	B42	A46	T2-5	B42	A46
	T2-4	B42	A49	T2-5	B42	A49
	T2-4	B42	A54	T2-5	B42	A54
20	T2-4	B42	A66	T2-5	B42	A66
	T2-4	B42	A67	T2-5	B42	A67
	T2-4	B42	A68	T2-5	B42	A68
	T2-4	B42	A69	T2-5	B42	A69
25	T2-4	B42	A70	T2-5	B42	A70
	T2-4	B42	A76	T2-5	B42	A76
	T2-4	B42	A77	T2-5	B42	A77
	T2-4	B42	A78	T2-5	B42	A78
20	T2-4	B42	A106	T2-5	B42	A106
30 .	T2-4	B42	A110	T2-5	B42	A110
	T5-1	B42	A2	T7-1	B42	A2
:	T5-1	B42	A5	T7-1	B42	A5
	T5-1	B42	A35	T7-1	B42	A35
35	T5-1	B42	A37	T7-1	B42	A37
	T5-1	B42	A45	T7-1	B42	A45
	T5-1	B42	A46	T7-1	B42	A46
	T5-1	B42	A49	T7-1	B42	A49
40	T5-1	B42	A54	T7-1	B42	A54
	T5-1	B42	A66	T7-1	B42	A66
	T5-1	B42	A67	T7-1	B42	A67
	T5-1	B42	A68	T7-1	B42	A68
45	T5-1	B42	A69	T7-1	B42	A69
	T5-1	B42	A70	T7-1	B42	A70
	T5-1	B42	A76	T7-1	B42	A76
	T5-1	B42	A77	T7-1	B42	A77
50	T5-1	B42	A78	T7-1	B42	A78
50	T5-1	B42	A106	T7-1	B42	A106
	T5-1	B42	A110	T7-1	B42	A110

Table 48

T1-1	B43	A2	T2-1	B43	A2
T1-1	B43	Aō	T2-1	B43	A5
T1-1	B43	A35	T2-1	B43	A35
T1-1	B43	A37	T2-1	B43	A37
T1-1	B43	A45	T2-1	B43	A45
T1-1	B43	A46	T2-1	B43	A46
T1-1	B43	A49	T2-1	B43	A49
T1-1	B43	A54	T2-1	B43	A54
T1-1	B43	A66	T2-1	B43	A66
T1-1	B43	A67	T2-1	B43	A67
T1-1	B43	A68	T2-1	B43	A68
T1-1	B43	A69	T2-1	B43	A69
T1-1	B43	A70	T2-1	B43	A70
T1-1	B43	A76	T2-1	B43	A76
T1-1	B43	A77	T2-1	B43	A77
T1-1	B43	A78	T2-1	B43	A78
T1-1	B43	A106	T2-1	B43	A106
T1-1	B43	A110	T2-1	B43	A110
T2-2	B43	A2	T2-3	B43	A2
T2-2	B43	A5	T2-3	B43	A5
T2-2	B43	A35	T2-3	B43	A35
T2-2	B43	A37	T2-3	B43	A37
T2-2	B43	A45	T2-3	B43	A45
T2-2	B43	A46	T2-3	B43	A46
T2-2	B43	A49	T2-3	B43	A49
T2-2	B43	A54	T2-3	B43	A54
T2-2	B43	A66	T2-3	B43	A66
T2-2	B43	A67	T2-3	B43	A67
T2-2	B43	A68	T2-3	B43	A68
T2-2	B43	A69	T2-3	B43	A69
T2-2	B43	A70	T2-3	B43	A70
T2-2	B43	A76	T2-3	B43	A76
T2-2	B43	A77	T2-3	B43	A77
T2-2	B43	A78	T2-3	B43	A78
T2-2	B43	A106	T2-3	B43	A106
T2-2	B43	A110	T2-3	B43	A110
T2-4	B43	A2	T2-5	B43	A2
T2-4	B43	A5	T2-5	B43	A5
T2-4	B43	A35	T2-5	B43	A35
T2-4	B43	A37	T2-5	B43	A37
T2-4	B43	A45	T2-5	B43	A45
T2-4	B43	A46	T2-5	B43	A46

Table 49

T2-4	B43	A49	T2.5	B43	A49
T2-4	B43	A54.	T2-5	B43	A54
T2-4	B43	A66	T2-5	B43	A66
T2-4	B43	A67	T2-5	B43	A67
T2-4	B43	A68	T2-5	B43	A68
T2-4	B43	A69	T2.5	B43	A69
T2-4	B43	A70	T2-5	B43	A70
T2-4	B43	A76	T2-5	B43	A76
T2-4	B43	A77	T2.5	B43	A77
T2-4	B43	A78	T2-5	B43	A78
T2-4	B43	A106	T2-5	B43	A106
T2-4	B43	A110	T2-5	B43	A110
T5-1	B43	A2	T7-1	B43	A2
T5-1	B43	A5	T7-1	B43	Аб
T5-1	B43	A35	T7-1	B43	A35
T5-1	B43	A37	T7-1	B43	A37
T5-1	B43	A45	T7-1	B43	A45
T5-1	B43	A46	T7-1	B43	A46
T5-1	B43	A49	T7-1	B43	A49
T5-1	B43	A54	T7-1	B43	A54
T5-1	B43	A66	T7-1	B43	A66
T5-1	B43	A67	T7-1	B43	A67
T5-1	B43	A68	T7-1	B43	A68
T5-1	B43	A69	T7-1	B43	A69
T5-1	B43	A70	T7-1	B43	A70
T5-1	B43	A76	T7-1	B43	A76
T5-1	B43	A77	T7-1	B43	A77
T5-1	B43	A78	T7-1	B43	A78
T5-1	B43	A106	T7-1	B43	A106
T5-1	B43	A110	T7-1	B43	A110

[0043] Furthermore, the compounds having the above-mentioned structure wherein - X'-Y' is one selected from a group of $OCH_2CH=CMe_2$, OCH_2-2 -furyl, OCH_2-3 -furyl, $OCH_2C=CMe$, $NHCH_2CH=CMe_2$, $N(iPr)SO_2NHMe$, $NHCH(Me)CH_2OMe$, NHiPr, NH-iBu, NHc-Pent, $NHCH_2c-Hex$, NHc-Hex-4-(=NOMe), NHcHex-4, $4-(OMe)_2$, $NHCH_9C_6H_4-4-B(OH)_2$, $NHCH_2C_6H_4-2-OH$, $NHCH_2C_6H_3-3$, $4-(OH)_2$, $NHCH_2C_6H_2-3$, $4-(OH)_2$, $NHCH_2C_6H_4-4-OH$, $NHCH_2C_6H_4-3-OH$, $NHCH_2-2$ -furyl, $NHCH_2-3$ -furyl, NH-4-tetrahydropyran, $NHCH_2$ -benzopyrrolyl, $NHCH_2-2$ -thiazolyl, $NHCH_2$ -quinolyl, $NHCH_2-4$ -thylenedioxy, 1-pyrolidinyl, 1-piperadinyl, 1-piperadinyl, 1-piperidyl,

are preferable. The compounds wherein -X'-Y' is -OCH $_2$ -2-furyl, -NHCH $_2$ CH=CMe $_2$ or -OCH $_2$ CH=CMe $_2$ are more preferable.

[0044] A process for producing the compound (I) is as follows.

A process for producing the compound (I')

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的复数形式和电影作业

[0045] A compound of the following formula (I') (hereinafter referred to as "a compound (I')") can be produced by reacting a compound of the formula (IIa) (hereinafter referred to as "a compound (IIa)") with a bicyclic compound of the formula (IIIa) (hereinafter referred to as "a compound (IIIa)") or by reacting a compound of the formula (IIb) (hereinafter referred to as "a compound (IIb)") with a bicyclic compound of the formula (IIIb) (hereinafter referred to as "a compound (IIIb)").

wherein either of L and Z is dihydroxyborane, di(lower)alkyl borane or di(lower) alkoxyborane and the other is halogen or $-OSO_2(C_qF_{2q+1})$ (q is an integer of 0 to 4) and other symbols are the same as defined above.

[0046] The compound (I') can be produced by reacting the compound (IIa) with the compound (IIIa) or by reacting the compound (IIIb) with the compound (IIIb) in a mixture of an appropriate solvent such as benzene, toluene, N, N-dimethylformamide, dimethoxyethane, tetrahydrofuran, dioxane, ethanol, methanol or the like and water or in an anhydrous solution in the presence of a palladium catalyst such as Pd(PPh₃)₄, PdCl₂(PPh₃)₂, PdCl₂(OAc)₂, PdCl₂(CH₃CN)₂ or the like, preferably Pd(PPh₃)₄, under a basic condition (for example, by K₃PO₄, NaHCO₃, NaOEt, Na₂CO₃, Et₄NCl, Ba(OH)₂, Cs₂CO₃, CsF, NaOH, Ag₂CO₃ or the like) at room temperature or with heating for several tens minutes to several tens hours.

[0047] One of substituents L and Z of the compounds to be reacted may be any of the borane groups which are applicable in the Suzuki Reaction (Chemical Communication 1979, 866, Journal of Synthetic Organic Chemistry, Japan, 1993, Vol.51, No.11, 91-100) and dihydroxyborane is preferable. The other maybe any of the leaving groups which are applicable in the Suzuki Reaction, for example, halogen, $-OSO_2(C_qF_{2q+1})$ wherein q is an integer of 0 to 4, or the like. Specifically, halogen, trifluoromethanesulfonyloxy (hereinafter referred to as OTf) or the like is preferable and bromine, iodine or OTf is more preferable.

[0048] The other substituents of A ring, B ring and C ring and -X-Y of the compounds (IIa), (IIIb) and (IIIb) may be any of the groups which do not affect the Suzuki Reaction, for example, any groups other than halogen and - $OSO_2(C_qF_{2q+1})$ wherein q is an integer of 0 to 4.

[0049] For example, Y may be optionally substituted lower alkyl, optionally substituted lower alkenyl, optionally substituted lower alkynyl, optionally substituted acyl, optionally substituted cycloalkyl, optionally substituted cycloalkenyl, optionally substituted aryl or optionally substituted 5- or 6-membered heterocycle which may be fused with benzene ring, Y may be optionally substituted lower alkoxy when X is -CH₂- and Y may be optionally substituted lower alkoxycarbonyl, optionally substituted lower alkylsulfonyl or optionally substituted arylsulfonyl when X is -O- or -NR¹-.

[0050] Even if any substituent of A ring, B ring or C ring is halogen, these reactions can be carried out without difficulty when the reactivity of the substituent L with the substituent Z is higher than that of halogen with either of substituents L and Z.

[0051] Even if either of substituents of A ring, B ring and C ring or -X-Y is hydroxy, the above reactions can be preferably carried out. Preferably the above reactions may be carried out after the protection of hydroxy group with a usual hydroxy-protecting group such as methoxymethyl, benzyl, tert-butyldimethylsilyl, methanesulfonyl, p-toluenesulfonyl or the like, followed by deprotection by the usual methods.

[0052] As processes for producing the compound (I'), the above mentioned Suzuki Reaction is most preferable in view of the efficiency and easiness but silicon, zinc, tin or the like can be used in place of the borane group in the above scheme.

[0053] For example, in the case that one of A and Z is $-SiR^{17}_{3-r}(Hal)_r$ wherein R^{17} are independently lower alkyl, Hal is halogen and r is an integer of 1 to 3 and the other is halogen or $-OSO_2(C_0F_{20+1})$ wherein q is an integer of 0 to

4, the coupling reaction may be carried out using a usual palladium catalyst (Synlett (1991) 845-853, J. Org. Chem. 1996, 61, 7232-7233). Examples of preferable palladium catalysts are (i- Pr_3P)₂ $PdCl_2$, [(dcpe) $PdCl_2$] (dcpe= $Cy_2PCH_2CH_2PCy_2$), (η^3 - C_3H_5PdCl)₂ and the like.

[0054] Even in the case that one of L and Z is $-SnR^{18}_3$ wherein R^{18} are each independently lower alkyl and the other is halogen, acetyloxy or $-OSO_2(C_qF_{2q+1})$ wherein q is an integer of 0 to 4, an objective compound can be obtained using a usual palladium catalyst (preferably $Pd(PPh_3)_4$ or the like) (Angew. Chem. Int. Ed. Engl. 25 (1986) 508-524).

[0055] In the case that one of L and Z is -Zn(Hal) wherein Hal is halogen and the other is halogen, an objective compound can be obtained (Acc. Chem. Res. 1982, 15, 340-348). Any usual palladium catalyst is applicable and Pd(PPh₃)₄, PdCl₂(dppf), PdCl₂(PPh₃)₂, PdCl₂(P(o-Tolyl)₃)₂, Pd(OAc)₂ and the like are exemplified as preferable examples.

[0056] All of these reactions may be carried out in a suitable solvent such as N,N-dimethylformamide, tetrahydrofuran or the like at room temperature or with heating for several tens minutes to several tens hours.

[0057] As compound (IIIa) and (IIIb) in the above reactions, may be used known compounds or compounds which are derived from a compound of the following formula (Va) (hereinafter referred to as "a compound (Va)") or the following formula (Vb) (hereinafter referred to as "a compound (Vb)") which can be produced by the known method or the following method.

$$Z \xrightarrow{A} X - Y + D \xrightarrow{B} L \qquad D \xrightarrow{B} W^{1} A X - Y \longrightarrow IIIb$$

$$IIa \qquad IVb \qquad Vb$$

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wherein D is any of the groups which do not affect the Suzuki Reaction of L with Z, and may be the same group as L when a compound of the formula (IVb) is a bisymmetric compound. The other symbols are the same as above.

[0058] The compound (IIb) is reacted with the compound (IVa) or the compound (IIa) is reacted with (IVb) to give the compound (Va) or (Vb). When the compound (IVa) or (IVb) is not a bisymmetric compound. D is preferably a group which does not affect the Suzuki Reaction of L with Z and can be easily converted to L. For example, hydroxy, hydrogen, formyl, nitro or the like is preferable. In the reaction of L with Z, silicon, zinc, tin or the like can be used in place of the borane group as mentioned above.

[0059] D is converted into a group L which is applicable to the Suzuki Reaction.

[0060] A compound wherein D is hydroxy may be reacted with a trifluoromethanesulfonating agent such as trifluoromethanesulfonic anhydride, trifluoromethansulfonyl chloride, N-phenyltrifluoromethanesulfone imide or the like in a suitable solvent such as dichloromethane, chloroform, tetrahydrofuran or benzene in the presence of a base such as sodium hydride, pyridine, triethylamine, potassium carbonate or the like at -20 °C or with heating for several minutes to several tens hours to give an objective compound wherein L is OTf.

[0061] For example, a compound wherein D is hydrogen may be reacted with a halogenating agent such as bromine, chlorine, iodine, N-bromosuccinimide or the like in a suitable solvent such as acetic acid, dichloromethane, chloroform, carbon tetrachloride, benzene, water or the like at -20 °C or with heating for several minutes to several tens hours to give an objective compound wherein L is halogen.

[0062] A compound wherein D is formyl may be oxidated by the Baeyer-Villiger reaction to give a compound wherein D is formyloxy, followed by hydrolysis to give a compound wherein D is hydroxy. The compound wherein L is OTf can be obtained by the similar process as mentioned above.

50 [0063] A compound wherein D is nitro may be reduced to give a compound wherein D is amino, followed by the Sandmeyer Reaction to give a compound L is halogen.

A process for producing the compound (I")

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[0064] A compound of the following formula (I") (hereinafter referred to as "a compound (I")") can be produced by the Suzuki Reaction of a compound of the formula (VI) (hereinafter referred to as "a compound (VI)") with a compound of the formula (IIa) (hereinafter referred to as "a compound (IIa)") or by condensation of a compound of the formula (VII) (hereinafter referred to as "a compound (VII)") with a compound of the formula (VIII) (hereinafter referred to as "a com-

pound (VIII)").

wherein either of M and Q is hydroxy or amino and the other is halogen, lower alkylsulfonyloxy, arylsulfonyloxy, lower alkylsulfonyl, arylsulfonyl or methyl having them as substituents,

either of M and Q is lithium or Mg(Hal) wherein Hai is halogen and the other is carboxy, lower alkoxycarbonyl, carbamoyl or formyl,

either of M and Q is formyl and the other is halogenomethyl, or

either of M and Q is ethynyl and the other is halogen; and the other symbols are the same as defined above.

[0065] Various conditions for a reaction of the compound (VI) with the compound (IIa) are the same as those for the process for producing the compound (I').

[0066] In a reaction of the compound (VII) with a compound (VIII), when V^2 of an objective compound is -O-, -NH-, -OCH₂-, -CH₂O- or -NHCH₂-, either of M and Q is hydroxy or amino and the other is a leaving group such as halogen, lower alkylsulfonyloxy, arylsulfonyloxy, lower alkylsulfonyl, arylsulfonyl or the like or methyl having the leaving group as substituents. These two compounds are reacted in a suitable solvent such as benzene, toluene, acetone, acetonitrile, N,N-dimethylformamide, dimethylsulfoxide, pyridine, methanol, ethanol or the like in the presence of a base such as sodium hydride, pyridine, triethylamine, potassium carbonate, sodium hydroxide, potassium hydroxide or the like, if necessary by adding a copper catalyst such as copper powder, CuCl, CuO or the like at 0 °C or with heating for several minutes to several tens hours to give the objective compound.

[0067] In a reaction of the compound (VII) with the compound (VIII), when V² of an objective compound is -CO- or -CH(OH)-, either of M and Q is an organic metal such as lithium or Mg(Hal) wherein Hal is halogen and the other is carboxy, lower alkoxycarbonyl, carbamoyl or formyl. These two compounds are reacted in a suitable solvent such as diethylether, tetrahydrofuran, dimethoxyethan, dioxane or the like at - 78 °C to with heating for several minutes to several hours to give an objective compound.

5 [0068] When V² of an objective compound is -CH(OR)- wherein R is lower alkyl, after a compound wherein V² is -CH(OH)- is obtained, the obtained compound may be subjected to alkylation.

[0069] A compound wherein V^2 is -CO- may be obtained by reacting a compound wherein V^2 is -CH(OH)- with an oxidizing agent such as chromic anhydride, Jone's reagent or the like in a solvent such as t-butylalcohol, acetone or the like depending on the oxidizing agent at 0 °C or with heating for several hours. A compound wherein V^2 is -CH(OH)-can be obtained also by reacting a compound wherein V^2 is - CO-with an reducing agent such as sodium borohydride, aluminium lithium hydride or the like in a suitable solvent such as diethyl ether, tetrahydrofuran, dimethoxyethane, dioxane, methanol, ethanol or the like.

[0070] When a compound wherein V^2 of an objective compound is -CH=CH-, either of M and Q is formyl and the other is halogenomethyl (for example, halogen is chloro, bromo or iodo). An objective compound can be obtained by the Wittig Reaction (Organic Reaction, vol.14, p. 270, 1965).

[0071] When V² of an objective compound is -CH=CH-, either of M and Q is ethynyl and the other is halogen (preferably bromo or iodo). The objective compound can be synthesized by a coupling reaction with a generally used palladium catalyst (for example, Synthesis, (1980) 627, Tetrahedron, 1982, 38, 631).

[0072] Other substituents of A ring, B ring, C ring and -X-Y of the compound (VI), (IIa), (VII) and (VIII) may be any substituent which does not affect the Suzuki Reaction of L with Z or a condensing reaction of M with Q. Even if in a reaction of the compound (VI) with the compound (IIa) wherein either of substituents is halogen, this reaction may be carried out without difficulty if the reactivity of a substituent L with a substituent Z is higher than the reactivity with halogen. Even if either of substituents is hydroxy, the above reaction can be carried out. Preferably hydroxy is previously protected, followed a deprotection after the above reaction.

[0073] As the compound (VI) in the above scheme, it may be used a known compound or a compound of the formula (X) which is synthesized in the following method.

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wherein D' is a group which does not affect a condensing reaction of M with Q and when a compound of the formula (IX) is a symmetric compound, D' may be the same group as Q, and the other symbols are the same as defined above.

[0074] When the compound (IX) is not a symmetric compound, D' is preferably a group which does not affect the condensing reaction of M with Q and which can easily be converted to L. For example, hydrogen, formyl, protected hydroxy, nitro or the like is preferable. As a hydroxy-protecting group, exemplified are benzyl, t-butyldimethylsilyl, methoxymethyl and the like. A method for converting D' to L is similar to the above method for converting D to L. Other various conditions are similar to that for reacting the compound (VII) with the compound (VIII).

[0075] A known compound may be used as a compound (VIII) in the above reaction scheme and a compound synthesized by the usual method or derived from the above compound (Vb) by the usual method also may be used.

[0076] In the case that a compound has a substituent interfering of the above reaction, the substituent may be protected with a suitable protecting group in advance and the protecting group may be removed in a suitable step by the usual method. For example, if hydroxy interferes the reaction, it may be protected with methoxymethyl, methanesulfonyl, benzyl, trifluoromethanesulfonyl, tert-butyldimethylsilyl or the like, followed by deprotection in a suitable step.

[0077] For example, for a protection of hydroxy with methanesulfonyl, a compound which has hydroxy may be reacted with methanesulfonyl chloride in a solvent such as dichloromethane, chloroform, carbon tetrachloride or the like in the presence of a base such as triethylamine, pyridine or the like under ice-cooling or at room temperature for several hours. The protected compound may be deprotected with 1-4 N sodium hydroxide, potassium hydroxide, aqueous solution thereof, sodium methoxide, ethyl magnesium bromide or the like in a solvent such as dimethylsulfoxide, dimethylformamide, tetrahydrofuran, dioxane, dimethoxyethane or the like at room temperature or with heating for several tens minutes to several hours.

[0078] When methoxymethyl is used as a hydroxy-protecting group, a compound which has hydroxy may be reacted with chloromethylmethylether in a solvent such as tetrahydrofuran, dioxane, dimethoxyethane or the like in the presence of sodium hydride, diisopropylethylamine or the like to give a compound which has a protected hydroxy group. The compound may be subjected to a usual deprotection reaction with hydrochloric acid, sulfuric acid or the like in a solvent such as methanol, tetrahydrofuran, acetic acid or the like for a deprotection.

[0079] When tert-butyldimethylsilyl is used as a protecting group, a compound which has hydroxy may be reacted with tert-butyldimethylsilyl chloride, tert-butyldimethylsilyl triflate or the like in a solvent such as dimethylformamide, acetonitrile, tetrahydrofuran, dimethylformamide, dichloromethane or the like in the presence of imidazole, triethylamine, 2, 6-lutidine or the like. For a deprotection reaction the protected compound may be reacted with tetrabutylammonium fluoride or the like in a solvent such as tetrahydrofuran or the like.

[0080] A compound of the present invention thus obtained can be converted into a prodrug thereof. The term "prodrug" includes compounds which can easily be converted to the compound having the activity of the present invention in a living body. Any usual method for conversion into a prodrug may be used.

[0081] For example, hydroxy or amino which is attached to any possible position of a compound of the present invention may be substituted with a usual group for manufacturing a prodrug. For example, substituted acyl (wherein the substituent is carboxy, sulfo, amino, lower alkylamino or the like), phosphonoxy or the like may be introduced into the hydroxy, and substituted alkoxycarbonyl (wherein the substituent is halogen, acyloxy, hydroxyacyloxy, carboxyacyloxy, heterocyclylcarbonyloxy or the like) or substituted alkyl (wherein the substituent is aroylamino which may be substituted with acyloxy(lower)alkoxy or the like) may be introduced into the amino.

[0082] More definitely, when A ring or C ring has hydroxy as a substituent, a substituent such as - COCH₂CH₂COOH, -COCH=CHCOOH, -COCH₂SO₃H, -PO₃H₂, -COCH₂NMe₂, -CO-Py wherein Py is pyridine or the like may be introduced. When A ring or C ring has amino as a substituent(e.g.,X, X' or the like), - COOCH₂O(C=O)CH₂OH, -COOCH₂OOH, -COOCH₂OAc, - COOCH(Me)OAc, - COOCH(Me)OCOCMe₃, -COOCH₂OCO(CH₂)₁₄Me, - COOCH₂OCO-Pyr, -CH₂NHCO-C₆H₄-o-OCH₂OAc or the like may be introduced.

[0083] The immunosuppressant or anti-allergic agent of the present invention is useful for prevention or treatment of allergic diseases such as rejection symptom against transplantation of an organ or a tissue, graft-versus-host reaction caused by bone marrow transplantation, atopic allergic diseases (for example, bronchial asthma, allergic rhinitis, allergic dermatitis and the like), hypereosinophils syndrome, allergic conjunctivitis, systemic lupus erythematosus, polymyositis, dermatomyositis, seleriasis, MCTD, chronic rheumatoid arthritis, inflammatory bowel disease, injury caused by ischemia-reperfusion, pollenosis, allergic rhinitis, urticaria, psoriasis and the like.

[0084] A compound of the present invention can be administered orally or parenterally as a immunosuppressant, anti-allergic agent and/or suppressant on the IgE production. In the case of oral administration, it may be in any usual form such as tablets, granules, powders, capsules, pills, solutions, syrups, buccal tablets, sublingual tablets and the like. When the compound is parenterally administered, any usual form is preferable, for example, injections (e.g., intravenous. intramuscular), suppositories, endermic agents, vapors and the like. Oral administration is particularly preferable.

[0085] A pharmaceutical composition may be manufactured by mixing an effective amount of a compound of the present invention with various pharmaceutical ingredients suitable for the administration form, such as excipients, binders, moistening agents, disintegrators, lubricants, diluents and the like. When the composition is of an injection, an active ingredient can be sterilized with a suitable carrier to give a pharmaceutical composition.

[0086] Specifically, examples of the excipients include lactose, saccharose, glucose, starch, calcium carbonate, crystalline cellulose and the like, examples of the binders include methylcellulose, carboxymethylcellulose, hydroxypropylcellulose, gelatin, polyvinylpyrrolidone and the like, examples of the disintegrators include carboxymethylcellulose, sodium carboxymethylcellulose, starch, sodium alginate, agar, sodium lauryl sulfate and the like, and examples of the lubricants include talc, magnesium stearate, macrogol and the like. Cacao oil, macrogol, methyl cellulose and the like may be used as base materials of suppositories. When the composition is manufactured as solutions, emulsified injections or suspended injections, dissolving accelerators, suspending agents, emulsiflers, stabilizers, preservatives, isotonic agents and the like may be added. For oral administration, sweetening agents, flavors and the like may be added. [0087] Although the dosage of a compound of the present invention as an immunosuppressant, anti-allergic agent and/or suppressant on the IgE production should be determined in consideration of the patient's age and body weight, the type and degree of diseases, the administration route or the like, a usual oral dosage for human adults is 0.05 - 100 mg/kg/day and preferable is 0.1 - 10 mg/kg/day. For parenteral administration, although the dosage highly varies with administration routes, a usual dosage is 0.005 - 10 mg/kg/day, preferably, 0.01 - 1 mg/kg/day. The dosage may be administered in one or several divisions per day.

[0088] The present invention is further explained by the following Examples and Experiments, which are not intended to limit the scope of the present invention.

EXAMPLE

[0089] The abbreviations used in EXAMPLE mean the following.

Ac acetyl

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Bn benzyl

Et ethyl

ⁱPr isopropyl

35 Me methyl

Ms methanesulfonyl

Ph phenyl

Py pyridyl

TBS tert-butyldimethylsilyl

TFAA trifluoroacetic anhydride

THF tetrahydrofuran

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Example 1 Synthesis of compounds (Ia-71), (Ia-73), (Ia-75) and (Ia-76)

[0090]

(Step 1) Synthesis of compound (2)

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[0091] To a solution of 831 mg (2.32 mmol) of compound (1) (WO98/04508, Reference Example 1) in 12 ml of toluene were added 701 mg (2.79 mmol) of 2, 5-dibromo-3-methylpyridine, 80 mg (0.07 mmol) of tetrakis(triphenylphosphin)palladium (0), and 6 ml of an aqueous solution of 2 M sodium carbonate at room temperature. The mixture was heated refluxed under a nitrogen atmosphere for 4 hours. After cooling, the mixture was diluted with water and extracted with ethyl acetate. The extract was washed with saturated brine, dried and concentrated. The residue was purified by silica gel chromatography (hexane-ethyl 97:3) to give compound (2) (808 mg; 60 % yield).

(Step 2) Synthesis of compound (4)

[0092] According to the method of Step 1, 404 mg (0.83 mmol) of compound (2) was reacted with 231 mg (0.92 mmol) of boronic acid (3) (GB 2276162 A) to give compound (4) (411 mg; 81 % yield).

(Step 3) Synthesis of compound (la-71)

[0093] To a solution of 411 mg (0.67 mmol) of compound (4) in 3.4 ml of tetrahydrofuran was added a solution of 1 M tetrabutyl ammonium fluoride in 1.4 ml (1.40 mmol) of tetrahydrofuran and the mixture was stirred for 3 hours. The solution was poured into an aqueous solution of 5 % potassium hydrogen sulfate and extracted with ethyl acetate. The extract was washed with saturated brine, dried and concentrated. The residue was crystallized from ethyl acetate to

give compound (la-71) (247 mg; 96 % yield).

(Step 4) Synthesis of compound (la-75)

[0094] To a solution of 227 mg (0.59 mmol) of compound (la-71) in 3 ml of tetrahydrofuran were added 0.17 ml (1.18 mmol) of triethylamine and 0.07 ml (0.89 mmol) of methanesulfonyl chloride successively and the mixture was stirred for 20 hours at room temperature. The solution was diluted with ethyl acetate, washed with water, 5 % aqueous solution of sodium hydrogencarbonate and saturated saline successively, dried and concentrated. The residue was crystallized from hexane-ethyl acetate to give compound (la-75) (303 mg; 95 % yield).

(Step 5) Synthesis of compound (5)

[0095] To a solution of 283 mg (0.52 mmol) of compound (la-75) in 2.6 ml of dichloromethane was added a solution of 1 M boron tribromide in 0.63 ml (0.63 mmol) of dichloromethane at - 78 °C and the mixture was stirred for an hour at the same temperature. After the excessive reagent was decomposed by addition of methanol, the solution was poured into 5 % aqueous solution of sodium hydrogencarbonate and extracted with ethyl acetate. The extract was washed with saturated brine, dried and concentrated. The residue was crystallized from hexane-ethyl acetate to give compound (5) (204 mg; 87 % yield).

20 (Step 6) Synthesis of compound (la-76)

[0096] To a solution of 184 mg (0.41 mmol) of compound (5) in 2 ml of acetone were added 169 mg (1.23 mmol) of potassium carbonate and 0.12 ml (1.02 mmol) of prenyl bromide successively and the mixture was stirred for 14 hours at room temperature. The solution was diluted ethyl acetate, washed with water and saturated brine successively, dried and concentrated. The residue was purified by silica gel chromatography (hexane-ethyl acetate 1:1) and crystallized from hexane-ethyl acetate to give compound (la-76) (170 mg; 80 % yield).

(Step 7) Synthesis of compound (la-73)

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[0097] To a solution of 149 mg (0.29 mmol) of compound (la-76) in 1.4 ml of tetrahydrofuran was added a solution of 28 % sodium methoxide in 0.6 ml (2.89 mmol) of methanol under ice-cooling and the mixture was stirred at room temperature for 17 hours. The solution was poured into 5 % aqueous solution of ammonium chloride and extracted with ethyl acetate. The extract was washed with saturated brine, dried and concentrated. After the residue was purified by silica gel chromatography (hexane-ethyl 7:3), the obtained product was crystallized from diethylether-hexane to give compound (la-73) (88mg; 84 % yield).

Example 2 Synthesis of compounds (lb-15), (lb-37) and (lb-49)

[0098]

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(Step 1) Synthesis of compound (lb-49)

[0099] According to the method of Example 1 Step 1, 200mg (0.74 mmol) of boronic acid (6) was reacted with 236 mg (1.49 mmol) of 2-chloro-5-nitropyridine to give compound (lb-49) (232 mg; 90 % yield).

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(Step 2) Synthesis of compound (lb-15)

[0100] To a solution of 257 mg (0.74 mmol) of compound (lb-49) in 5 ml of toluene were added 5 ml of water, 207 mg (3.70 mmol) of iron powder and 213 mg (3.70 mmol) of ammonium chloride and the mixture was refluxed for 15 hours. After cooling, insoluble material was filtered off with celite. The filtrate was extracted with ethyl acetate and the extract was washed with saturated brine, dried and concentrated. After the residue was purified by silica gel chromatography (hexane-ethyl acetate 1:3), the obtained product was crystallized from ethyl acetate to give compound (lb-15) (161 mg; 69 % yield).

(Step 3) Synthesis of compound (lb-37)

[0101] To a solution of 130 mg (0.41 mmol) of compound (lb-15) in 4 ml of dichloromethane were added 0.05 ml (0.61 mmol) of pyridine and 86 mg (0.49 mmol) of methanesulfonic anhydride under ice-cooling and the mixture was stirred for an hour. The solution was diluted with ethyl acetate, washed with water, 5 % aqueous solution of sodium hydrogencarbonate and saturated brine successively, dried and concentrated. The residue was crystallized from ethyl acetate to give compound (lb-37) (124 mg; 77 % yield).

Example 3 Synthesis of compounds of (lb-11), (lb-12), (lb-16), (lb-21), (lb-46) and (lb-47)

[0102]

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Pd(Ph3P)4 OMe 2M Na₂CO₃-DME-EtOH 10 (HO)₂8 2) Bu₄NF, THF отвs отвs MeC Ib-46 7 OMe **OMe** Fe, NH₄CI MsCI, ElaN 15 OBn toluene, H₂O THF èMS ÒMs MeC Ib-12 Ib-47 20 OMe 1) 20%Pd(OH)2/C H₂, MeOH-dioxane **TFAA** 2) CH₂Cl₂ MeÓ Br Ib-21 K₂CO₃, acetone 25 OMe NaOMe, MeOH 30 THE HΟ MeO Ib-16 Ib-11

(Step 1) Synthesis of compound (lb-46)

[0103] To a mixture of a solution of 867 mg (1.36 mmol) of compound (7) (WO98/04508, Reference Examples 4 and 6) in 16 ml of 1, 2-dimethoxyethane and 5 ml of ethanol were added 200 mg (1.26 mmol) of 2-chloro-5-nitropyridine, 44 mg(0.04 mmol) of tetrakis(triphenylphosphine)palladium (0) and 5 ml of aqueous solution of 2 M sodium carbonate at room temperature and the solution was refluxed under a nitrogen atmosphere for 3 hours. After cooling, the mixture was diluted with water and extracted with ethyl acetate. The extract was washed with saturated brine, dried, concentrated and the obtained residue was dissolved in 6 ml of tetrahydrofuran. To the solution was added a solution of 1 M tetrabuty-lammonium fluoride in 2 ml (2.02 mmol) of tetrahydrofuran under ice-cooling and the mixture was stirred for 1.5 hours. After the solution was poured into water and extracted with ethyl acetate, the extract was washed with saturated brine, dried and concentrated. The residue was purified by silica gel chromatography (hexane-ethyl acetate 7:3) and crystal-lized from hexane-ethyl acetate to give compound (lb-46) (472 mg; 79 % yield).

(Step 2) Synthesis of compound (lb-47)

[0104] According to the method of Example 1 Step 4, a solution of 458 mg (0.97 mmol) of compound (lb-46) in 4.8 ml of tetrahydrofuran was treated with 0.40 ml (2.89 mmol) of triethylamine and 0.19 ml (2.41 mmol) of methanesulfonyl chloride to give compound (lb-47) (572 mg; 94 % yield).

(Step 3) Synthesis of compound (lb-12)

[0105] According to the method of Example 2 Step 2, 547 mg (0.87 mmol) of compound (lb-47) was treated with

242 mg (4.34 mmol) of iron powder and 232 mg (4.34 mmol) of ammonium chloride to give compound (lb-12) (461 mg;89 % yield).

(Step 4) Synthesis of compound (lb-21)

[0106] To a solution of 110 mg (0.18 mmol) of compound (lb-12) in 1.8 ml of dichloromethane was added 0.03 ml (0.22 mmol) of trifluoroacetic anhydride under ice-cooling and the mixture was stirred for 2 hours at room temperature. The solution was diluted with ethyl acetate, washed with water, 5 % aqueous solution of sodium hydrogencarbonate and saturated brine successively, dried and concentrated. The residue was crystallized from diethylether-hexane to give compound (lb-21) (122 mg: 96 % yield).

(Step 5) Synthesis of compound (lb-11)

[0107] A mixture of 122 mg (0.18 mmol) of compound (lb-21), 24 mg of 20 % palladium hydroxide-carbon in 1.8 ml of methanol and 1.8 ml of 1,4-dioxane was stirred for 15 hours under a nitrogen atmosphere at room temperature. After an insoluble material was filtered off with celite, the filtrate was concentrated to give 110 mg of the residue.

[0108] To a solution of the residue in 3.5 ml of N,N-dimethylformamide were added 73 mg (0.53 mmol) of potassium carbonate and 0.05 ml (0.39 mmol) of prenyl bromide successively and the mixture was stirred for 4 hours. The solution was diluted with ethyl acetate, washed with water and saturated brine successively, dried and concentrated. The residue was purified by silica gel chromatography (hexane-ethyl acetate 7:3) and crystallized from diethyl ether-hexane to give compound (lb-11) (121 mg, 9.3 % yield).

(Step 6) Synthesis of compound (lb-16)

25 [0109] According to the method of Example 1 Step 7, compound (lb-16) was obtained (73 mg; 99 % yield) from 1.11 mg (0.15 mmol) of compound (lb-111).

Example 4 Synthesis of compounds (Ic-23) and (Ic-24)

30 [0110]

(Step 1) Synthesis of compound (9)

[0111] According to the method of Example 1 Step 1, 500 mg (2.35 mmol) of compound (8) was reacted with 883 mg (2.46 mmol) of boronic acid (1) to give compound (9) (983 mg; 94 % yield).

(Step 2) Synthesis of compound (10)

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[0112] To a solution of 983 mg (2.20 mmol) of compound (9) in 10 ml of tetrahydrofuran was added 1 M tetrabuty-lammonium fluoride in 2.2 ml (2.20 mmol) of tetrahydrofuran under ice-cooling and the mixture was stirred for an hour at room temperature. The solution was poured into water, extracted with ethyl acetate, washed with saturated brine, dried and concentrated. The residue was dissolved in 10 ml of tetrahydrofuran, then 0.46 ml (3.29 mmol) of triethylamine and 0.20 ml (2.64 mmol) of methanesulfonyl chloride was successively added to the solution under ice-cooling and the mixture was stirred for 30 minutes at the same temperature. The solution was diluted with ethyl acetate, washed with water, 5 % aqueous solution of sodium hydrogencarbonate, saturated brine successively, dried and concentrated. The residue was purified by silica gel chromatography (hexane-ethyl acetate 7:3) to give compound (10) (881 mg; 98 % yield).

(Step 3) Synthesis of compound (11)

[0113] A solution of 120 mg (0.29 mmol) of compound (10) and 11 mg of 10 % palladium-carbon in 2 ml of methanol and 2 ml of 1,4-dioxane was stirred under a nitrogen atmosphere at room temperature for 2 hours. An insoluble material was filtered off with celite and the filtrate was concentrated. To a solution of the residue in 3 ml of methanol was added 11 mg (0.29 mmol) of sodium borohydride under ice-cooling and the mixture was stirred for 30 minutes. The solution was poured into water and extracted with ethyl acetate. The extract was washed with saturated brine, dried and concentrated. To a solution of the obtained crude product in 3 ml of acetone were added 122 mg (0.88 mmol) of potassium carbonate and 0.10 ml (0.88 mmol) of prenyl bromide successively and the mixture was stirred for 2 hours at room temperature. The mixture was diluted with ethyl acetate and washed with water and saturated brine successively, dried and concentrated. The residue was purified by silica gel chromatography (hexane-ethyl acetate 7:3) to give compound (11) (108 mg; 95 % yield).

(Step 4) Synthesis of compound (Ic-24)

[0114] To a solution of 108 mg (0.28 mmol) of compound (11) in 2 ml of acetonitrile were added 87 mg (0.33 mmol) of triphenylphosphine and 110 mg (0.33 mmol) of carbon tetrabromide under ice-cooling and the mixture was stirred for 1 hour at room temperature. To the mixture were added 152 mg (1.38 mmol) of hydroquinone and 114 mg (0.83 mmol) of potassium carbonate and the mixture was stirred for 20 hours at room temperature. The mixture was poured into diluted hydrochloric acid and extracted with ethyl acetate. The extract was washed with an aqueous solution of 5 % sodium hydrogencarbonate and saturated brine, dried and concentrated. The residue was purified by silica gel chromatography (hexane-ethyl acetate 7:3) to give compound (lc-24) (61 mg; 46 % yield).

(Step 5) Synthesis of compound (Ic-23)

[0115] According to the method of Example 1 Step 7, compound (lc-23) was obtained (34 mg; 69 % yield) from 59 mg (0.12 mmol) of compound (lc-24).

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Example 5 Synthesis of compounds (lb-539) and (lb-540)

[0116]

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(Step 1) Synthesis of compound (lb-539)

[0117] The compound (lb-250) (444 mg, 1 mmol) was dissolved in anhydrous ether (40 mL) under ice-cooling, Chloromethyl chloroformate (194 mg, 1 mmol) and triethylamine (210 ml, 1 mmol) were added successively to the solution under a nitrogen atmosphere with stirred, and the mixture was stirred for 4 hours without ice-cooling. Precipitate in the reaction mixture was filtered off and the filtrate was washed with water, dried over sodium sulfuric anhydride and concentrated under reduced pressure to give 540 mg of compound (lb-539) as oil.

Elementary Analysis for C ₃₁ H ₃₄ N ₂ O ₃ FCI							
Calculated:	C, 69.33;	H, 6.38;	N, 5.22;	F, 3.54;	CI, 6.60.		
Analyzed :	C, 68.85;	H, 6.42;	N, 5.21;	F, 3.58;	CI, 7.06.		

(Step 2) Synthesis of compound (lb-540)

[0118] A mixture of glycol acid (38 mg, 0.5 mmol), potassium carbonate (35 mg, 0.25 mmol) and N,N-dimethylformamide (1mL) was stirred under reduced pressure at room temperature for 10 minutes. A solution of compound 1 (54 mg, 0.1 mmol) in N,N-dimethylformamide (0.5 ml) and potassium bromide (12 mg, 0.1 mmol) were added and the mixture was vigorously stirred for 20 hours under an argon atmosphere. The mixture was diluted with ether (5 ml) and an insoluble material was filtered off. The filtrate was washed with water, dried over sodium sulfate anhydride and concentrated under reduced pressure. The residual crude product was purified by silica gel chromatography (elution solvent: hexane-ethyl acetate (2:1)) to give 27 mg of compound (lb-540) as an oil.

Elementary Analysis for C ₃₃ H ₃₇ N ₂ O ₆ F							
Calculated:	C, 68.73;	H, 6.47;	N, 4.86;	F, 3.29.			
Analyzed:	C, 68.59;	H, 6.68;	N, 4.98;	F, 3.25.			

Example 6 Synthesis of compound (lb-541)

[0119] A mixture of succinic acid (590 mg, 5 mmol), potassium carbonate (345 mg, 2.5 mmol) and N,N-dimethylformamide (6 ml) was stirred for 10 minutes under reduced pressure at room temperature. The solution of compound (Ib-539) (537 mg, 1mmol) in N,N-dimethylformamide (5 ml) obtained by the method in Example 5 Step 1 and sodium iodide

(70 mg, 0.5 mmol) were successively added and vigorously stirred for 5 days under an argon atmosphere. The mixture was poured into an aqueous solution of 5 % acetic acid and extracted with ether-hexane (4:1). After the obtained mixture was dried over anhydrous sodium sulfate, the solvent was removed off. The residual crude product was purified by silica gel chromatography (elution solvent: chloroform-methanol (20:1)) to give 60 mg of compound (lb-541) as an oil.

Elementary Analysis for C ₃₅ H ₃₉ N ₂ O ₇ F							
Calculated:	C, 67.95;	H, 6.35;	N, 4.53;	F, 3.07.			
Analyzed:	C, 68.25;	H, 5.96;	N, 4.64;	F, 3.13.			

LSIMS: $m/Z = 618 [M+H]^+$

Example 7 Synthesis of other compounds (I)

[0120] Using analogous procedure, the following compounds (I) were synthesized. The structures and physical constants are shown below. Tables 50 to 55 represents partial structures used in Table 56 or later as abbreviations, A1, A2, ... B1, B2, ... C1, C2

Table 50

 $A - X - Y = A^5 + A^4$

	R4	R 5	Re	R ⁷	X	Y
Al	H	H	H	H	0	H
A2	H	Н	H	H	0	CH2-2-furyl
A3	H	H	Н	H	0	CH ₂ C ₆ H ₅
A4	H	H	H	H	0	CH2C6H4-4-Me
A5	H	Н	H	H	0	CH2CH=CMe2
A6	OH	H	H	H	0	CH ₂ C ₆ H ₅
A7	OAc	H	H	H	0	CH2C6H5
A8	OMs .	H	Н	H	0	CH ₂ C ₆ H ₅
A9	OSO ₂ CF ₃	H	H	H	0	CH ₂ C ₆ H ₅
A10	OSO ₂ Ph	H	H	H	0	CH ₂ C ₆ H ₅
A11	OMe	Н	H	H	0	CH ₂ C ₆ H ₅
A12	OH	H	H	H	0	CH2C6H4-2-Me
A13	OH	. H	H	H	0_	CH2C6H4-3-Me
A14	OH	Н	H	H	0	CH2C6H4-4-Me
A15	OMs	H	H	Н	0	CH ₂ C ₆ H ₄ -2-Me
A16	OMs	H	H	H	0	CH ₂ C ₆ H ₄ -3-Me
A17	OMs	Н	Н	H	0	CH ₂ C ₆ H ₄ -4-Me
A18	OH	H	H	Н	0	CH ₂ C ₆ H ₄ -2-OMe
A19	OH	H	H	H	0	CH ₂ C ₆ H ₄ -3-OMe
A20	OH	H	Н	H	0_	CH ₂ C ₆ H ₄ -4-OMe
A21	OMs	H	H	H	0	CH ₂ C ₆ H ₄ -2-OMe
A22	OMs	H	H	H	0	CH ₂ C ₆ H ₄ -3-OMe
A23	OMs	H	H	H	0	CH ₂ C ₆ H ₄ ·4·OMe
A24	OH	Н	H	H	0	CH ₂ -2-Py
A25	OH	H	H	H	0	CH2-3-Py
A26	OH	H	Н	H	0	CH2-4-Py
A27	OMs	Н	Н	H	0	CH2-2-Py
A28	OMs	H	Н	Н	0	CH2-3-Py
A29	OMs	Н	H	H	0	CH2-4-Py
A30	OH	Н	H	Н	0	CH2CH2C6H5
A31	OMs	Н	Н	H	0	CH ₂ CH ₂ C ₆ H ₃
A32	ОН	Н	H	Н	0	CH2CH=CMe2
A33	OMs	Н	Н	H	0	CH2CH=CMe2
				7.7		OTT CIT OCL
A34	OH	H	H_	H	0	CH ₂ CH=CCl ₂

Table 51

	R4	R5	R ⁶	R7	X	Y
A36	OMe	H	H	H	0	CH2CH=CCl2
A37	F	H	H	H	0	CH ₂ CH=CMe ₂
A38	F	H	Н	H	00	CH ₂ CH=CCl ₂
A39	OH	H -	Н	H	0	CH2CH2CH=CMe2
A40	OMs	H	H	H	0	CH2CH2CH=CMe2
A41	H	H_	H	H	NMe	Me
A42	H	Н	H	H	NH	H
A43	H	H	H	H	NH	Me
A44	H	H	H	H	NH	iPr
A45	H	H	H	H	NH	CH ₂ CH=CH ₂
A46	H	H	H	H	NH	CH ₂ CH=CMe ₂
A47	H	H	H	H	NH	CH ₂ C≡CH
A48	H	H	H	H	NH	c-Hex
A49	H	H	H	H	NH	CH ₂ -c-Hex
A50	H	H	H	H	NH	CH ₂ C ₆ H ₅
A51	Н	н	н	н	NH	CH ₂ C ₆ H ₄ ·4·
Au	**				L	COOMe
A52	H	H	H	H	NH	CH ₂ C ₆ H ₄ ·4·COOH
A53	H	H	H	H	NH	CH ₂ -4-Pyr
A54	H	H	H	H	NH	CH ₂ -2-furyl
A55	Н	H	H	H	NH	CH ₂ -3-furyl
A56	H	H	H	H	NH	CH ₂ -2-thienyl
A57	Н	H	H	H	NH	CH ₂ -3-thienyl
A58	H	H	H	Н	NCH ₂ CH=CMe ₂	SO ₂ NHMe
A59	Н	Н	H	Н	NMe	SO ₂ NH ₂
A60	OMe	Н	Н	Н	ИН	CH ₂ CH=CMe ₂
A61	OMe	Н	H	Н	NH	CH ₂ C ₆ H ₅
A62	Me	Н	Н	H	NH	CH ₂ CH=CMe ₂
A63	Me	Н	· H	Н	NH	CH ₂ C ₆ H ₅
A64	H	F	Н	Н	NH	H
A65	Н	F	H	Н	NH	iPr
A66	H	F	Н	H	NH	iBu
A67	Н	F	Н	H	NH	CH2CH=CMe2
A68	H	F	Н	H	NH	cPent
A69	H	F	H	Н	NH	cHex
A70	H	F	H	H	NH	CH ₂ cHex
A71	H	F	Н	H	NH	CH ₂ C ₆ H ₄ -4-Et
A72	H	F	H	Н	NH	CH ₂ C ₆ H ₄ -4-iPr
A73	Н	F	Н	Н	NH	$CH_2C_6H_4-4-COOH$
	Н	F	Н	Н	ИН	CH2C6H4-4-
A74					<u> </u>	COOMe
A75	H	F	H	H	N-iPr	SO_2NH_2
A76	Н	F	H	H	N-iPr	SO ₂ NHMe
A77	H	F	Н	Н	NCH2CH=CMe2	SO ₂ NHMe

Table 52

	R4	R ⁵	R ^s	R7	X	<u>Y</u>
A78	F	H	H	H	NH	CH ₂ CH=CMe ₂
A79	F	H	H	H	NH	CH ₂ C ₆ H ₅
A80	H	Cl	H	H	NH	H
A81	Н	Cl	H	H	NH	CH ₂ CH=CMe ₂
A82	Н	Cl	H	H	NH	cHex
A83	H	Cl	H	H	NH	CH ₂ cHex
A84	Cl	H	H	H	NH	CH ₂ CH=CMe ₂
A85	Cl	H	H_	H	NH	CH ₂ C ₆ H ₅ ¯
A86	Н	Н	H	H	NH	4-tetrahydropyran
A87	Н	H	H	H	NH	C ₆ H ₄ -4-B(OH) ₂
A88	H	H	H	H	ИН	$CH_2C_6H_4$ -2-OMe
A89	H	Н	Н	H	NH	CH ₂ C ₆ H ₂ -3,4,5-(OMe)
A90	H	Н	H	H	ИН	CH(Me)CH2OMe
A91	H	H	H	H	NH	$CH_2cHex-4.4\cdot(OMe)_2$
A92	Н	H	H	H	NH	$CH_2C_6H_3-3,4-(OH)_2$
A93	H	Н	H	H	NH	CH ₂ C ₆ H ₄ -4-OH
A94	H	Н	H	H	ИН	─ \\\``)
A95	H	H	H	H	NH	СН ₂ С ₆ Н ₄ -3-ОН
A96	H	H	H	H		N-pyrroryl
A97	H	H	Н	H	ИН	CH ₂ -2-thienyl
A98	H	H	H	H	NH	cHex-4-(=NOMe)
A99	Н	H	H	H	NH	CH ₂ -2-Thiazol
A100	Н	Н	Н	Н	NH	-н ₂ с
A101	H	H	H	Н	NH	CH ₂ C ₆ H ₄ -4-OMe
A102	H	Н	Н	н	NH	-H ₂ C-\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
A103	H	Н	Н	H	0	$CH_2C \equiv CMe$
A104	Н	Me	H	H	NH	CH ₂ CH=CMe ₂
A105	Н	Me	H	H	NH	$CH_2C_6H_5$
A106	Н	F	H	H	NH	$CH_2C_6H_5$
A107	F	H	H	H	0	Н
A108	F	H	Н	H	0	Me
A109	F	Н	H	H	0	CH ₂ -2-furyl
A110	F	H	H	H	0	CH ₂ -2-furyl CH ₂ C ₆ H ₅
A111	Н	Н	Н	Н		Me .
A112	Н	Н	Н	Н	S	CH ₂ CH=CMe ₂
1112	Н	Н	H	H	SO_2	NH ₂
A113					SO ₂	NH ₂

Table 53

	D	Ds	De	D2	X	Y
	R4	R5	Re	R ¹	A	O Me
A115	Н	Н	H	Н	ИН	-H₂C-()
A116	H	H	Н	Н	NH	$CH_2C(Me)=CHMe$
A117	Н	Н	Н	Н	NH	$CH_2C \equiv CMe$
A118	Н	Н	H	Н	NCH ₂ CH=CMe ₂	CH ₂ CH=CMe ₂
A119	Н	F	Н	Н	NCOOCH ₂ Cl	CH ₂ CH=CMe ₂
A120	Н	F	H	Н	NCOOCH2OCOCH2OH	CH ₂ CH=CMe ₂
A121	Н	F	H	Н	NCOOCH2OCOCH2CH2COOH	CH ₂ CH=CMe ₂
A122	Н	F	Н	Н	NCOOCH ₂ OCOMe	CH ₂ CH=CMe ₂
A123	Н	F	Н	Н	NCOOCH(Me)OCOMe	CH ₂ CH=CMe ₂
A124	H	F	Н	Н	NCOOCH(Me)OCOCMe3	CH ₂ CH=CMe ₂
A125	Н	F	Н	Н	NCOOCH2OCO(CH2)14Me	CH ₂ CH=CMe ₂
A126	Н	F	Н	Н	NCOOCH2OCO-3-Pyr	CH ₂ CH=CMe ₂
A127	Н	F	Н	н	NCH ₂ NHCO-C ₆ H ₄ -o- OCH ₂ OCOMe	CH ₂ CH=CMe ₂
A128	H	H	Н	Н	NCOOCH2OCOCH2OH	CH ₂ CH=CMe ₂
A129	Н	н	Н	Н	NCOOCH2OCOMe	CH ₂ CH=CMe ₂
A130	Н	Н	Н	Н	NCOOCH(Me)OCOCMe3	CH ₂ CH=CMe ₂
A131	Н	Н	Н	Н	NCOOCH2OCO·3-Pyr	CH ₂ CH=CMe ₂
A132	F	н	Н	н	NCOOCH ₂ OCO CH ₂ CH ₂ COOH	CH ₂ CH=CMe ₂
A133	F	Н	Н	Н	NCOOCH(Me)OCOMe	CH ₂ CH=CMe ₂
A134	F	Н	Н	Н	NCOOCH2OCO(CH2)14Me	CH ₂ CH=CMe ₂
A135	F	Н	Н	Н	NCH ₂ NHCO-C ₆ H ₄ -o- OCH ₂ OCOMe	CH ₂ CH=CMe ₂
A136	Н	F	Н	Н	NCOOCH2OCOCH2OH	cPent
A137	Н	F	H	Н	NCOOCH2OCOMe	cPent
A138	Н	F	H	Н	NCOOCH(Me)OCOCMe3	cPent
A139	Н	F	Н	Н	NCOOCH ₂ OCO-3-Pyr	cPent
A140	н	Cl	Н	Н	NCOOCH ₂ OCO CH ₂ CH ₂ COOH	CH ₂ CH=CMe ₂
A141	Н	Cl	H	H	NCOOCH(Me)OCOMe	CH ₂ CH=CMe ₂
A142	Н	Cl	H	Н	NCOOCH2OCO(CH2)14Me	CH ₂ CH=CMe ₂
A143	Н	Cl	Н	Н	NCH ₂ NHCO-C ₆ H ₄ -o- OCH ₂ OCOMe	CH ₂ CH=CMe ₂

Table 54

5	

	P ⁹ P³
(B)=	~~~~
	11 010

			T	
	R ⁸	R ⁹	Rio	Ru
B-1	OMe	H	H	OMe
B2	OMe	H	OH	OMe
B3	OMe	H	OMs	OMe
B4_	Me	H	H	Me
B5	Me	H	OH	Me
B6	Me	H	OMs	Me
B7	Me	Me	Me	Me
B8	Me	Me	OMe	Me
B9	Me	Me	OH	Me
B10	Me	Me	Me	OMe
B11	Me	Me	Me	OH
B12	OMe	Me	Me	OMe
B13	Me	H	Me	Me
B14	Me	Me	H	Me
B15	Me	H	F_	Me
B16	Me	F	H	Me
B17	OMe	H	H	Me
B18	Me	H	H	OMe
B19	CI	H	H	Cl
B20	OEt	H	H	OEt
B21	OiPr	H	H	OiPr
B22	OcPr	H	H	OcPr
B23	OMe	Me	Me	COOMe
B24	Me	Me	Ме	COOMe
B25	SMe	H	H	SMe
B26	SEt	H	H	SEt
B27	COOMe	Me	Me	OMe
B28	Ме	Me	Me	Cl
B29	Мe	OMe	H	Me
B30	COOMe	Me	Me	Me
B31	Cl	Мe	Мe	Me
B32	H	Me	Me	Cl
B33	Me	Н	Cl	Мe
B34	H	Me	Cl	Н
B35	Me	H	H	Cl
B36	Me	Мe	H	H
B37	Н	Me	H	Me
B38	Me	Н	Me	H
B39	ОМе	OMe	H	Н
B40	H	OMe	Н	OMe
B41	OMe	Н	OMe	H
B42	H	Me	Н	OMe
B43	OMe	Н	Me	H
	0.00			

Table 55

 $C = Y \times \frac{R^{13} R^{12}}{R^{15} R^{14}}$

			-	n	
	R12	R13	R14	R15	-X'-Y'
C1_	H	H	H	H	H
C2	H	H	H	H	OH
C3	H	H	H	H	OMs
C4	H	H	H	H	OMe
C5_	H	H	H	H	NH ₂
C6	H	H	H	H	NMe ₂
C7	H	H	H	H	SMe
C8	H	H	H	H	Ms
C9	H	H	Н	H	F
C10	H	CF3	H	Н	H
C11	H	NO ₂	H	H	H
C12	H	NH ₂	H	H	H
C13	H	NHAc	H	H	H
C14	H	NHMs	H	H	H
C15	H	$N(Ms)CH_2CH=CMe_2$	H	Н	H
C16	H	ОН	H	н	$OCH_2C_6H_5$
C17	H	OMs	H	Н	$OCH_2C_6H_5$
C18	H	OH	H	H	OCH ₂ CH=CMe ₂
C19	H	O M e	H	H	OCH ₂ CH=CMe ₂
C20	Н	OMs	H	Н	OCH ₂ CH=CM _e ₂
C21	NO ₂	H	н	Н	H
C22	NH ₂	Н	H	-H	H
C23	NHAc	H	H	H	H
C24	NHMs	H	H	H	H
C25	Cl	Н	H	H	NO ₂
C26	Cl	Н	Н	H	NH ₂
C27	Cl	Н	H	H	NHMs
C28	Cl	Н	H	H	NHCOCF3
C29	Cl	Н	Н	Н	NHCH2CH=CMe2
C30	Н	Н	H	Н	NHCH ₂ CH=CMe ₂

Table 56

Y-X	B R ⁷ R ⁶	-Y (C-\(\sum_{W^2}\)) 			
-√3 a	R ³ R ⁸ N R ¹⁰ S1 R ⁹ R ⁸ S7	R ³ R ³ R ³ S8	S3 no R2 S9	R ¹¹ S4 Me	S5 R8 S11	S6 R8 S12

	No.	-√B W²-	Rs	R ⁹	R10	R11	A	С
	Ia-1	S1	Н	Н	Н	_	A6	C2
	Ia-2	S1	Н	H	Н	_	A32	C2
	Ia-3	S1 .	H	Н	H	_	A35	C2_
	la-4	S1	Н	Н	Н	_	A6	C3
	Ia-5	S1	H	Н	H	-	A8	СЗ
	Ia-6	S1	H	Н	Н		A33	C3
	Ia-7	S1	Н	H	H		A35	C3
	Ia-8	S1	H	Н	H		A6	C4
!	Ia-9	S1	H	Н	H		A8	C4
	Ia-10	S1	H	H	H	_	A32	C4
	Ia-11	S1	H	Н	Н		A33	C4
ı	Ia-12	S1	Н	H	H		A8	C17
	Ia-13	S1	H	H	H	_	A32	C18
	Ia-14	S1	Н	H	H		A33	C19
	Ia-15	S1	H	H	Cl		A6	C2
	Ia-16	S1	H	H	C1		A32	C2
	Ia-17	S1	H	H	Cl		A8	C3
	Ia-18	S1	Н	H	Cl	_	A33	C3
i	Ia-19	S1	Н	H	C1_	-	A35	C6
į	Ia-20	S1	Me	H	H	-	A6	C2
	Ia-21	.S1	Me	Н	H	-	A32	C2
	Ia-22	S1	Me	H	H	-	A35	C2
	Ia-23	S1	Me	H	H	_	A6	C3
	Ia-24	S1	Me	Н	H	-	A8	C3
	Ia-25	S1	Me	H	H	1	A33	СЗ
	Ia-26	S1	Me	Н	H	-	A35	СЗ
	Ia-27	S1	H	Me	Н	_	A6	C2

Table 57

5	No.	-√B W²-	R8	R9	R10	R11	A	С
	Ia-28	S1	Н	Me	Н	_	A32	C2
	Ia-29	S1	Н	Me	H	_	A35	C2
	Ia-30	S1	Н	Me	H	_	A6	C3
10	Ia-31	S1	H	Me	Н	_	A8	C3
	Ia-32	S1	H	Me	Н	_	A33	C3
	Ia-33	S1	Н	Me	H		A35	C3
	Ia-34	S1	Н	H	Me	_	A6	C2
15	Ia-35	S1	H	H	Me	_	A32	C2
	Ia-36	SI	Н	Н	Me		A35	C2
	Ia-37	S1	H	Н	Me		A6	C3
	Ia-38	S1	Н	H	Me		A8	C3
20	Ia-39	S1	Н	H	Me		A33	C3
	Ia-40	S1	H	H	Me		A35	C3
	Ia-41	S1	H	Me	Me		A6	C2
	Ia-42	S1	H	Me	Me		A32	C2
25	Ia-43	S1	H	Me	Me		A35	C2
	Ia-44	S1	H	· Me	Me		A37	C2
	Ia-45	S1	H	Me	Me		A6	C3
	Ia-46	S1	H	Me	Me	_	A8	C:3
30	Ia-47	S1	H	Me	Me	1.	A33	C3
	Ia-48	S1	H	Me	Me	_	A35	C3
	Ia-49	S1	H	Me	Me		A6	C6
	Ia-50	S1	H	Me	Me		A32	C6
35	Ia-51	SI	H	Me	Me	-	A34	C.6
	Ia-52	S1	H	Me	Me	-	A35	C6
	Ia-53	S1	H	Me	Me		A36	C6
	Ia-54	S1	H	Me	Me		A37	C6
40	Ia-55	S1	H	Me	Me		A38	C6
	Ia-56	S1	Me	Me	Me	_	A6	C2
	Ia-57	S1	Me	Me	Me		A32	C2
	Ia-58	S1	Me	Me	Me		A35	C2
45	Ia-59	S1	Me	Me	Me	_	A37	C2
	Ia-60	S1	Me	Me	Me	-	A6	C3
	Ia-61	S1	Me	Me	Me	-	A8	C3
	Ia-62	S1	Me	Me	Me		A33	C3
50	Ia-63	S1	Me	Me	Me	-	A35	C3
	Ia-64	S2	Н	H		Н	A6	C2

Table 58								
5	No.	-√B W ² -	R ⁸	Rª	Rio	R11	A	С
	Ia-65	S2	Н	Н	_	Н	A8	C2
	Ia-66	S2	Н	Н	_	H	A32	C2
	Ia-67	S2	Н	Н		H	A35	C2
10	la-68	S2	H	Н	_	H	A8	C3
	Ia-69	S2	H	H	-	Н	A33	СЗ
	Ia-70	S2	Н	H		Н	A35	C3
	Ia-71	S2	Me	Н	_	H	A6	C2
15	Ia-72	S2	Me	H		H	A8	C2
	Ia-73	S2	Me	Н	_	H	A32	C2
	Ia-74	S2	Me	Н		H	A35	C2
	Ia-75	S2	Me	H		H	A8	C3
20	la-76	S2	Me	H		H	A33	C3
	Ia-77	S2	Me	H		H	A35	C3
	Ia-78	S2	H	Me		H	A6	C2
	la-79	S2	Н	Me		H	A8 .	C2
25	Ia-80	S2	H	Me		H	A32	C2
	Ia-81	S2	H	Me		H	A35	C2
	Ia-82	S2	Н	Me		H	A8	СЗ
	Ia-83	S2	H	Me	_	H	A33	C3
30	Ia-84	S2	Н	Me	-	H	A35	C3
	Ia-85	S2	H	H		Me	A6	C2
	Ia-86	S2	Н	H		Me	A8	C2
	Ia-87	S2	H	H		Me	A32	C2
35	Ia-88	S2	H	H	-	Me	A35	C2
	Ia-89	S2	H	H		Me	A8	C3
	Ia-90	S2	H	H		Me	A33	C3
40	Ia-91	S2	H	H		Me	A35	C3
40	Ia-92	S2	Me	H		Me	A6	C2
	Ia-93	S2	Me	<u>H</u>		Me	A8	C2
	Ia-94	S2	Me	H		Me	A32	C2
45	Ia-95	S2	Me	H		Me	A35	C2
· ·	Ia-96	S2	Me	H		Me	A8	C3
	Ia-97	S2	Me	H		Me	A33	C3
	Ia-98	S2	Me	H		Me	A35	C3
50	Ia-99	S2	Me	H		Me	A6	C6
	Ia-100	S2	Me	H		Me	A32	C6

S2

Ia-101

55

109

Me

Н

A34

Me

С6

Table 59

No.	$\frac{B}{W^2}$	R ⁸	R°	R10	R11	A	С
Ia-102	S2	Me	H		Me	A35	C6
Ia-103	S2	Me	H		Me	A36	C6
Ia-104	S2	Me	H		Me	A37	C6
Ia-105	S2	Me	H	_	Me	A38	C6
Ia-106	S2	Me	Me	-	Me	A.6	C2
Ia-107	S2	Me	Me	-	Me	A8	C2
Ia-108	S2	Me	Me		Me	A32	C2
Ia-109	S2	Me	Me	-	Me	A35	C2
Ia-110	S2	Me	Me	_	Me	A8	C3
Ia-111	S2	Me	Me	_	Me	A33	C3
Ia-112	S2	Me	Me		Me	A35	C3
Ia-113	S2	Me	Me		Me	A6	C6
Ia-114	S2	Me	Me	_	Me	A32	C6
Ia-115	S2	Me	Me	_	Me	A34	C6
Ia-116	S2	Me	Me		Me	A35	C6
Ia-117	S2	Me	Me	_	Me	A37	C6
Ia-118	S3	Me		H	_	A6	C2
Ia-119	S3	Me	-	H	_	A32	C2
Ia-120	S3	Me	_	H	_	A35	C2
Ia-120	S3	OMe	_	H		A6	C2
Ia-121	S3	OMe	, —	H		A32	C2
Ia-122	S3	OMe	_	H	-	A35	C2
Ia-123	S3	Me	-	Me	_	A6	C2
Ia-124	S3	Me	_	Me		A32	C2
Ia-125	S3	Me		OMe	_	A11	C1
Ia-126	S3	Me	_	Me		A35	C2
Ia-127	S3	Me		OMe	_	A3	C1
Ia-128	S3	Me	_	OMe	_	A4	C1
Ia-129	S 3	Me		OMe		A5	C1
Ia-131	S3	Me		OMe		A6	C1
Ia-132	S3	Me		OMe	_	A7	C1
Ia-133	S3	Me		OMe	-	A8	C1
Ia-134	S3	Me		OMe		A9	C1
Ia-135	S3	Me	_	OMe		A10	C1
Ia-136	S3	Me	_	OMe		A12	C1
Ia-137	S3	Me		OMe		A13	C1
Ia-138	S3	Me		OMe	_	A14	C1
Ia-139	S3	Me	_	OMe		A15	C1

Table 60

No.	$-\sqrt{B}$	R ⁸	R9	Rio	R11	A	С
Ia-140	S3	Me		OMe	_	A16	Cl
Ia-141	S3	Me	-	OMe	_	A17	C1
Ia-142	S3	Me	_	OMe		A18	C1
Ia-143	S3	Me	_	OMe	_	A19	C1
Ia-144	S3	Me		OMe	_	A20	C1
Ia-145	S3	Me		OMe	_	A21	C1
Ia-146	S3	Me		OMe		A22	C1
Ia-147	S3	Me	_	OMe	_	A23	C1
Ia-148	S3	Me	_	OMe	_	A24	C1
Ia-149	S3	Me		OMe		A25	Cı
Ia-150	S3	Me	_	OMe	-	A26	C1
Ia-151	S3	Me		.OMe		A27	C1
Ia-152	S3	Me		OMe		A28	C1
Ia-153	S3	Me		OMe		A29	C1
Ia-154	S3	Me		OMe		A30	C1
Ia-155	S3	Me		OMe		A31	C1
Ia-156	S3	Me		OMe		A32	C1
Ia-157	S3	Me		OMe		A33	CI
Ia-158	. S3	Me		OMe		A35	C1
Ia-159	S3	Me		OMe		A39	C1
Ia-160	S3	Me		OMe		A40	C1
Ia-161	S3	Me		OMe		A6	C2
Ia-162	S3	Me	<u> </u>	OMe		A8	C2
Ia-163	S3	Me		OMe		A32	C2
Ia-164	S3	Me		OMe		A33	√C2
Ia-165	S3	Me		OMe		A35	C2
Ia-166	S3	Me		OMe		A37	C2
Ia-167		Me		OMe		A8	C3
Ia-168		Me		OMe		A33	C3
Ia-169	S3	Me		OMe		A32	C4
Ia-170	S3	Me		OMe		A35	C4
Ia-171	S3	Me		OMe		A32	C6
Ia-172	S3	Me	<u> </u>	OMe		A35	C6
Ia-173		Me		OMe		A.8	C7
Ia-174	S3	Me		OMe	-	A32	C7
Ia-175		Me		OMe		A8	C8
Ia-176	S3	Me		OMe	<u> </u>	A8	C9
Ia-177	S3	Me		OMe	-	A32	C9
Ia-178	S3	Me		OMe		A33	C9

Table 61

	5	;	

No.	-√B W ² -	R ⁸	R9	R10	R11	A	С
Ia-179	S3	Me		OMe	[-	A8	C10
Ia-180	S3	Me	_	OMe	_	A32	C10
Ia-181	S3	Me	_	OMe		A33	C10
Ia-182	S3	Me	_	OMe		A6	C11
Ia-183	S 3	Me	_	OMe	_	A8	C11
Ia-184	S3	Me		OMe	<u> </u>	A8	C12
Ia-185	S3	Me	_	OMe	_	A8	C13
Ia-186	S 3	Me	_	OMe	_	A8	C14
Ia-187	S3	Me	_	OMe		A32	C14
Ia-188	S3	Me	_	OMe		A8	C15
Ia-189	S3	Me		OMe	_	A32	C15
Ia-190	S3	Me	-	OMe	<u> </u>	A33	C15
Ia-191	S3	Me		OMe		A6	C21
Ia-192	S3	Me	_	OMe		A8	C21
Ia-193	S3	Me	_	OMe		A6	C22
Ia-194	S3	Me	_	OMe	_	A8	C23
Ia-195	S3	Me	_	OMe	-	A32	C23
Ia-196	S3	Me	_	OMe		A33	C23
Ia-197	S3	Me	_	OMe	-	A8	C24
Ia-198	S3	Me	_	OEt		A6	C1
Ia-199	S3	Me	_	OEt	-	A8	C1
Ia-200	S3	Me		OEt	_	A14	C1
Ia-201	S3	Me	_	OEt		A17	C1
Ia-202	S3	Me		OEt	-	A32	C1,
Ia-203	S3	Me	_	OEt		A33	C1
Ia-204	S3	Me	_	OEt		A6	C2
Ia-205	S3	Me		OEt	-	A32	C2
Ia-206	S3	Me	_	O/Pr		A6	C1
Ia-207	S3	Me		0/Pr		A8	C1
Ia-208	S3	Me	_	OPr		A14	C1
Ia-209	S3	Me	_	O ₂ Pr	~	A17	C1
Ia-210	S 3	Me		O/Pr		A32	C1
Ia-211	S3	Me	_	O:Pr		A33	C1
Ia-212	S3	Me	_	OiPr	-	A6	C2
Ia-213	S3	Me		O/Pr		A32	C2
Ia-214	S3	Et		OMe	_	A6	C1
Ia-215	S3	Et	_	OMe	_	A8	C1
Ia-216	S3	Et	1	OMe	_	A14	C-1
Ia-217	S3	Et	_	OMe		A17	C1

Table 62

No. Rs Rs Rt Rt A C	•	able 02							
	5	· No.	-√3 W²-	Rs	Rª	R10	R11	Α	С
Ta-219 S3	•	Ia-218		Εt		OMe]	A32	C1
Ta-220 S3			S3	Εt	_	OMe		A33	C1
Ta - 222 S3			S3	Εt	_	OMe	-	A6	C2
Ta - 222 S3	10	Ia-221	S3	Εt		OMe	-	A32	C2
1a - 224 S3	10		S3	H	-	CO₂H		A6	C1
Ia-225 S3		Ia-223	S3	H		CO₂H		A8	C1
Ia-226 S3		Ia-224	S 3	H	_	CO ₂ H		A32	
	_	Ia-225	S3	Н		CO ₂ H		A33	
Ta-228 S3	15	Ia-226	S3	H		CO ₂ Me		A6	
Ta - 229 S3		Ia-227	S3	H		CO ₂ Me		A8	
Ta - 230 S3		Ia-228	S 3	H					
Ta-231 S3		Ia-229	S 3	H					
Ia-232 S3	20	Ia-230	S3	H			-		
Ia-233 S3 Me - SMe - A8 C1 Ia-234 S3 Me - SMe - A32 C1 Ia-235 S3 Me - NHMe - A6 C1 Ia-236 S3 Me - NHMe - A8 C1 Ia-237 S3 Me - NHMe - A32 C1 Ia-238 S4 - Me - OMe A32 C2 Ia-239 S4 - Me - OMe A6 C3 Ia-240 S4 - Me - OMe A8 C3 Ia-241 S4 - Me - OMe A33 C3 Ia-242 S4 - Me - OMe A35 C6 Ia-243 S4 - Me - Me A6 C3 Ia-244 S4 - Me - Me A6 C3 Ia-246 S4 - Me - Me A6 C3 Ia-246 S4 - Me - Me A8 C3 Ia-247 S4 - Me - Me A8 C3 Ia-248 S5 H H - - A6 C1 Ia-249 S5 H H - - A8 C1 Ia-250 S5 H H - - A8 C3 Ia-251 S5 H H - - A8 C3 Ia-253 S5 H H - - A8 C3 Ia-254 S5 H H - - A8 C3 Ia-253 S5 H H - - A8 C3 Ia-254 S5 H H - - A8 C3 Ia-255 S5 H H - - A8 C3 Ia-254 S5 H H - - A8 C3 Ia-254 S5 H H - - A8 C3 Ia-255 S5 H H - - A8 C3 Ia-254 S5 H H - - A8 C3 Ia-254 S5 H H - - A8 C3 Ia-254 S5 H H - - A8 C3 Ia-254 S5 H H - - A8 C3 Ia-254 S5 H H - - A8 C3 Ia-254 S5 H H - - A8 C3 Ia-254 S5 H H - - A8 C3 Ia-254 S5 H H - - A8 C3 Ia-254 S5 H H - - A8 C3 Ia-2		Ia-231	S3	H					
Ia-234 S3 Me		Ia-232	\$3	H			_		
Ia-235 S3 Me		Ia-233	S3	Me					
Ia-236 S3 Me	25	Ia-234	S3	Me					
Ia-237 S3 Me		Ia-235	S3	Me					
Ia-238		Ia-236	S3	Me					
Ia-239 S4		Ia-237	S3	Me		NHMe			
Ia-240 S4	30	Ia-238	S4						
Ia-241 S4		Ia-239	S4						
Ia-242 S4		Ia-240	S4						
Ia-243 S4		Ia-241							
Ia-243	35	Ia-242	S4						
Ia-245 S4	55	Ia-243	S4						
Ia-246 S4 - Me - Me A33 C3 Ia-247 S4 - Me - Me A35 C6 Ia-248 S5 H H - - A6 C1 Ia-249 S5 H H - - A32 C1 Ia-250 S5 H H - - A33 C1 Ia-252 S5 H H - - A32 C2 Ia-253 S5 H H - - A8 C3 Ia-254 S5 H H - - A33 C3 C4 C4 C4 C4 C5 C5 C5 C5									
40		Ia-245							
Ia-248 S5	40	Ia-246		ļ					
Ia-249 S5	40			ļ					
Ia-250 S5									
Ia-251 S5 H H A33 C1 Ia-252 S5 H H A32 C2 Ia-253 S5 H H A8 C3 Ia-254 S5 H H A33 C3		Ia-249							
Ia-252 S5 H H - - A32 C2 Ia-253 S5 H H - - A8 C3 Ia-254 S5 H H - - A33 C3		Ia-250							
Ia-253 S5 H H - - A8 C3 Ia-254 S5 H H - - A33 C3	45	Ia-251							
Ia-254 S5 H H - - A33 C3		Ia-252			+				
142 04		Ia-253							
		Ia-254			+		-		
	50	Ia-255		H	H			A6	C4
Ia-256 S5 H H A8 C4		Ia-256	S5						
IT 200 CC TT LT - 1 - 1 A 2 9 CA		Ia-257	S5	H	H	-	-	A32	C4

55

Table 63

\$15\$\$\$ 15.55 \$15\$ \$15\$ \$15\$ \$15\$

No.	-√B}-	R8	R9	R10	R11	A	С
Ia-258	S5.	Н	H			A33	C4
Ia-259	S5	H	H	T -	-	A35	C6
Ia-260	S5	Me	Me	-	T	A32	C2
Ia-261	S5	Me	Me	_	-	A35	C2
Ia-262	S5	Me	Me	_	_	A35	C6
Ia-263	S6	Н	_	-	H	A32	C2
Ia-264	S6	Н	_		Н	A35	C2
Ia-265	S6	Н	_		Н	A35	C6
Ia-266	S6	Me	·	-	Me	A32	C2
Ia-267	S6	Me	_	_	Me	A35	C2
Ia-268	S6	Me	_	_	Me	A35	C6
Ia-269	S7	H	H			A6	C2
Ia-270	S7	H	H			A8	C2
Ia-271	S7	Н	H		-	A32	C2
Ia-272	S7	Н	H	<u>_</u>		A8	C3
Ia-273	S7	H	H	_		A33	C3
Ia-274	S7	Н	Н	_	_	A35	C6
Ia-275	S7	H	Н	_	_	A6	C16
Ia-276	S7	Me	Н	_	_	A8	C2
Ia-277	S7	Me	H	_		A32	C2
Ia-278	S7	Me	H			A8	СЗ
Ia-279	S7	Me	H			A33	C3
Ia-280	S7	Н	Me		_	A8	C2
Ia-281	S7	H	Me	_		A32	C2
Ia-282	S7	H	Me		_	A8	C3
Ia-283	S7	Н	Me		_	A33	C3
Ia-284	S7	Me	Me			A8	C2
Ia-285	S7	Me	Me			A32	C2
Ia-286	S7	Me	Me			A8	C3
Ia-287	S7	Me	Me	_		A33	C3
Ia-288	S7	Me	Me			A35	C6
Ia-289	S8	H	H			A32	C2
Ia-290	S8	H	H			A35	C2
Ia-291	S8	H	H			A35	C6
Ia-292	S8	Me	H	_		A32	C2
Ia-293	S8	Me	H]	A35	C2
Ia-294	58	Me	H			A35	C6_
Ia-295	S8	H	Me	-]	A32	C2
Ia-296	S8	Н	Me			A35	C2
Ia-297	S8	Н	Me			A35	C6

Table 64

	Table 64							
5	No.	 	R ⁸	Rª	Rio	RII	A	С
	Ia-298		Me	Me		_	A32	C2
	Ia-299	S8	Me	Me			A35	C2
	Ia-300	S8	Me	Me		-	A35	C6
10	Ia-301	S9	Me	Me			A6	C1
	Ia-302	S9	Me	Me			A8	C1
	Ia-303		Me	Me			A32	C1
	Ia-304	S9	Me	Me			A33	C1
15	Ia-305	S9	Me	Me			A6	C4
,0	Ia-306	S9	Me	Me			A8	C4
	Ia-307	S9	Me	Me			A32	C4
	Ia-308	S9	Me	Me			A33	C4
20	Ia-309	S9	Me	OMe			A6	CI
20	[Ia-310	S9	Me	OMe			A8	C1
	Ia-311	S9	Me	OMe			A14	C1
	Ia-312	S9	Me	OMe			A17	C1
	Ia-313	S9	Me	OMe			A32	C1
25	Ia-314	S9	Me	OMe			A33	C1
	Ia-315	S9	Me	OMe			A6	C4
	Ia-316	S9	Me	OMe			A8	C4
	Ia-317	S9	Me	OMe		_	A14	C4
30	Ia-318	S9	Me	OMe			A17	C4
	Ia-319	S9	Me	OMe			A32	C4
	Ia-320	S9	Me	OMe			A33	C4
	Ia-321	S9	Me	OMe			A35	C4
35	[Ia-322	S9	Me	CO₂H			A33	/ C4
	Ia-323	S9	Me	CO ₂ Et			A6	C4
	Ia-324	S9	Me	CO ₂ Et			A8	C4
	Ia-325		Me	CO ₂ Et			A32	C4
40	Ia-326	S9	Me	CO ₂ Et			A33	C4
	Ia-327	S9_	Me	CO ₂ Et		<u> </u>	A35	C4
	Ia-328	S9	Me	CH ₂ OH			A32	C4
	Ia-329	S9	Me	CH₂OH		ļ_ <u></u>	A35	C4
45	Ia-330	S10	H			=	A6	C ₁
**	Ia-331	S10	H				A8	C1
	Ia-332	S10	H			-	A32	C1
	Ia-333	S10	H				A33	C1
50	Ia-334	S10	Me			-	A6	C1
	Ia-335	S10	Me			-	A8	C1
	Ia-336	S10	Me	<u> </u>			A32	C1
		_						

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Table 65

5		

No. ✓B / W² R³ R³ R¹0 R¹¹ A C Ia-337 S10 Me - - - A33 C1 Ia-338 S11 H - - - A6 C1 Ia-339 S11 H - - - A8 C1 Ia-340 S11 H - - - A14 C1 Ia-341 S11 H - - - A17 C1 Ia-342 S11 H - - - A32 C1 Ia-342 S11 H - - - A32 C1 Ia-343 S11 Me - - - A6 C1 Ia-344 S11 Me - - - A32 C1 Ia-346 S11 Me - - - A32 C1 Ia-348 S								
Ia-337 S10 Me - - A33 C1 Ia-338 S11 H - - A6 C1 Ia-339 S11 H - - A8 C1 Ia-340 S11 H - - A14 C1 Ia-341 S11 H - - A17 C1 Ia-342 S11 H - - A32 C1 Ia-342 S11 H - - A33 C1 Ia-343 S11 Me - - A6 C1 Ia-344 S11 Me - - A8 C1 Ia-346 S11 Me - - A32 C1 Ia-348 S12 H - - A6 C1 Ia-349 S12 H - - A32 C1 Ia-350 S12 H - <	No.	-√B W²-	R ⁸	R9	R10	R11	A	С
Ia-339 S11 H - - A8 C1 Ia-340 S11 H - - A14 C1 Ia-341 S11 H - - A17 C1 Ia-342 S11 H - - A32 C1 Ia-343 S11 H - - A33 C1 Ia-344 S11 Me - - A6 C1 Ia-345 S11 Me - - A8 C1 Ia-346 S11 Me - - A32 C1 Ia-347 S11 Me - - A33 C1 Ia-348 S12 H - - A6 C1 Ia-349 S12 H - - A8 C1 Ia-351 S12 H - - A6 C1 Ia-353 S12 Me - <	Ia-337		Me	_	_		A33	C1
Ia-340 S11 H - - A14 C1 Ia-341 S11 H - - A17 C1 Ia-342 S11 H - - A32 C1 Ia-343 S11 H - - A33 C1 Ia-344 S11 Me - - A6 C1 Ia-345 S11 Me - - A8 C1 Ia-346 S11 Me - - A32 C1 Ia-347 S11 Me - - A33 C1 Ia-348 S12 H - - A6 C1 Ia-349 S12 H - - A8 C1 Ia-350 S12 H - - A32 C1 Ia-351 S12 Me - - A6 C1 Ia-353 S12 Me - - A8 C1 Ia-355 S12 Me - - <t< td=""><td>Ia-338</td><td>S11</td><td>H</td><td>_</td><td>_</td><td>1</td><td>A6</td><td>C1</td></t<>	Ia-338	S11	H	_	_	1	A6	C1
Ia-341 S11 H - - A17 C1 Ia-342 S11 H - - A32 C1 Ia-343 S11 H - - A33 C1 Ia-344 S11 Me - - A6 C1 Ia-345 S11 Me - - A8 C1 Ia-346 S11 Me - - A32 C1 Ia-347 S11 Me - - A32 C1 Ia-348 S12 H - - A6 C1 Ia-348 S12 H - - A8 C1 Ia-349 S12 H - - A8 C1 Ia-350 S12 H - - A32 C1 Ia-351 S12 Me - - A6 C1 Ia-353 S12 Me - - A8 C1 Ia-355 S12 Me - - <td< td=""><td>Ia-339</td><td>S11</td><td>H</td><td>_</td><td></td><td>-</td><td>A8</td><td>C1</td></td<>	Ia-339	S11	H	_		-	A8	C1
Ia-342 S11 H - - A32 C1 Ia-343 S11 H - - A33 C1 Ia-344 S11 Me - - A6 C1 Ia-345 S11 Me - - A8 C1 Ia-346 S11 Me - - A32 C1 Ia-347 S11 Me - - A33 C1 Ia-348 S12 H - - A6 C1 Ia-349 S12 H - - A8 C1 Ia-350 S12 H - - A32 C1 Ia-351 S12 H - - A6 C1 Ia-352 S12 Me - - A8 C1 Ia-353 S12 Me - - A8 C1 Ia-355 S12 Me - - A33 C1 Ia-355 S12 Me - - <t< td=""><td>Ia-340</td><td>S11</td><td>Н</td><td>_</td><td></td><td></td><td>A14</td><td>C1</td></t<>	Ia-340	S11	Н	_			A14	C1
Ia-343 S11 H - - A33 C1 Ia-344 S11 Me - - A6 C1 Ia-345 S11 Me - - A8 C1 Ia-346 S11 Me - - A32 C1 Ia-346 S11 Me - - A32 C1 Ia-347 S11 Me - - A6 C1 Ia-348 S12 H - - A6 C1 Ia-349 S12 H - - A8 C1 Ia-350 S12 H - - A32 C1 Ia-351 S12 H - - A6 C1 Ia-352 S12 Me - - A8 C1 Ia-353 S12 Me - - A32 C1 Ia-355 S12 Me -	Ia-341	S11	Н		-	_	A17	C1
Ia-344 S11 Me - - A6 C1 Ia-345 S11 Me - - A8 C1 Ia-346 S11 Me - - A32 C1 Ia-347 S11 Me - - A33 C1 Ia-348 S12 H - - A6 C1 Ia-349 S12 H - - A8 C1 Ia-350 S12 H - - A32 C1 Ia-351 S12 H - - A6 C1 Ia-352 S12 Me - - A8 C1 Ia-353 S12 Me - - A8 C1 Ia-355 S12 Me - - A33 C1 Ia-356 S2 Me H - Me A37 C30	Ia-342	S11	H	-		_	A32	C1
Ia-345 S11 Me - - A8 C1 Ia-346 S11 Me - - - A32 C1 Ia-347 S11 Me - - - A33 C1 Ia-348 S12 H - - - A6 C1 Ia-349 S12 H - - - A8 C1 Ia-350 S12 H - - - A32 C1 Ia-351 S12 H - - - A6 C1 Ia-352 S12 Me - - - A6 C1 Ia-353 S12 Me - - - A8 C1 Ia-355 S12 Me - - - A33 C1 Ia-356 S2 Me H - Me A37 C30	Ia-343	SII	Н	_		_	A33	C1
Ia-346 S11 Me - - A32 C1 Ia-347 S11 Me - - A33 C1 Ia-348 S12 H - - A6 C1 Ia-349 S12 H - - A8 C1 Ia-350 S12 H - - A32 C1 Ia-351 S12 H - - A6 C1 Ia-352 S12 Me - - A6 C1 Ia-353 S12 Me - - A8 C1 Ia-354 S12 Me - - A32 C1 Ia-355 S12 Me - - A33 C1 Ia-356 S2 Me H - Me A37 C30	Ia-344	S11	Me	_	_	_	A6	C1
Ia-347 S11 Me - - A33 C1 Ia-348 S12 H - - A6 C1 Ia-349 S12 H - - A8 C1 Ia-350 S12 H - - A32 C1 Ia-351 S12 H - - A33 C1 Ia-352 S12 Me - - A6 C1 Ia-353 S12 Me - - A8 C1 Ia-354 S12 Me - - A32 C1 Ia-355 S12 Me - - A33 C1 Ia-356 S2 Me H - Me A37 C30	Ia-345	S11	Me		_		A8	C1
Ia-348 S12 H - - A6 C1 Ia-349 S12 H - - A8 C1 Ia-350 S12 H - - A32 C1 Ia-351 S12 H - - A33 C1 Ia-352 S12 Me - - A6 C1 Ia-353 S12 Me - - A8 C1 Ia-354 S12 Me - - A32 C1 Ia-355 S12 Me - - A33 C1 Ia-356 S2 Me H - Me A37 C30	Ia-346	S11	Me	-	1	_	A32	C1
Ia-349 S12 H - - - A8 C1 Ia-350 S12 H - - - A32 C1 Ia-351 S12 H - - - A33 C1 Ia-352 S12 Me - - - A6 C1 Ia-353 S12 Me - - - A8 C1 Ia-354 S12 Me - - - A32 C1 Ia-355 S12 Me - - - A33 C1 Ia-356 S2 Me H - Me A37 C30	Ia-347	S11	Me	-	-		A33	C1
Ia-350 S12 H - - A32 C1 Ia-351 S12 H - - - A33 C1 Ia-352 S12 Me - - - A6 C1 Ia-353 S12 Me - - - A8 C1 Ia-354 S12 Me - - - A32 C1 Ia-355 S12 Me - - - A33 C1 Ia-356 S2 Me H - Me A37 C30	Ia-348	S12	Н	-			A6	Cl
Ia-351 S12 H - - A33 C1 Ia-352 S12 Me - - A6 C1 Ia-353 S12 Me - - A8 C1 Ia-354 S12 Me - - A32 C1 Ia-355 S12 Me - - A33 C1 Ia-356 S2 Me H - Me A37 C30	Ia-349	S12	H	_	_		A8	C1_
Ia-352 S12 Me - - A6 C1 Ia-353 S12 Me - - A8 C1 Ia-354 S12 Me - - A32 C1 Ia-355 S12 Me - - A33 C1 Ia-356 S2 Me H - Me A37 C30	Ia-350	S12	H	-	-		A32	C1
Ia-353 S12 Me - - - A8 C1 Ia-354 S12 Me - - - A32 C1 Ia-355 S12 Me - - - A33 C1 Ia-356 S2 Me H - Me A37 C30	Ia-351	S12	Н	-	1	-	A33	C1
Ia-354 S12 Me - - - A32 C1 Ia-355 S12 Me - - - A33 C1 Ia-356 S2 Me H - Me A37 C30	Ia-352	S12	Me	1	1	-	A6	C1
Ia-355 S12 Me - - - A33 C1 Ia-356 S2 Me H - Me A37 C30	Ia-353	S12	Me	1	ļ	-	A8	C1
Ia-356 S2 Me H - Me A37 C30	Ia-354	S12	Me	-		_	A32	C1
	Ia-355	S12	Me	-	_	-	A33	C1
17 050 Co 177 N. 1 N. 1 107 1000	Ia-356	S2	Me	H		Me		
1a-357 S1 H Me Me - A37 C30	Ia-357	Si	Н	Me	Me	•	A37	C30

Table 66

5	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	
10	Th	
15	$\begin{array}{c} $	
20	T7 T8 T9 T10 T11 R13 R12 R13 R12 R13 HN-N HN-N R14	
25	T12 T13 T14	j

No.	W3C>	R12	R13	R14	Ris	X'-Y'	В	A
Ib-1	T1	Н	H	_	H	H	B2	A6
Ib-2	T1	Н	Н	_	Н	H	B3	A8
Ib-3	T1	Н	Н		Н	H	B2	A32
Ib-4	T1	Н	Н	_	Н	H	B3	
Ib-5	T1	H	H	_	H	H	B2	
Ib-6	T1_	Н	Н	_	Н	HH	B4	
Ib-7	T1	H	H	_	H	H	B4	
Ib-8	T1	Н	H.	-	Н	H	B4	A35
Ib-9	T1	Н	Н		H	H	B4	A1
Ib-10	Tl	Н	Н	_	Н	H	B4	A41
Ib-11	T1	Н	Н	_	H	$N(COCF_3)CH_2CH=CMe_2$	B3	A33
Ib-12	T1	Н	H	_	Н	NH ₂	B3	A8
Ib-13	T1	Н	Н	_	H	NH ₂	B4	A35
Ib-14	Tl	Н	Н	_	H	NH ₂	B4	A1
Ib-15	T1	Н	H	_	Н	NH ₂	B4	A41
Ib-16	T1	Н	Н	_	Н	NHCH2CH=CMe2	B2	A32
Ib-17	Ti	Н	Н	_	Н	NHCH2CH=CMe2	B4	A35
Ib-18	TI	Н	Н	_	H	NHCH2CH=CMe2	B1	A41
Ib-19	T1	Н	Н	_	Н	NHCH2CH=CMe2	B4	A1
Ib-20	T1	Н	Н	_	Н	NHCH2CH=CMe2	B4	A41

Table 67

No.	w ₃ c	R12	R13	R14	R15	X'-Y'	В	A
Ib-21	T1	Н	Н		H	NHCOCF3	ВЗ	A8
Ib-22	T1	Н	Н	_	H	NHCOCF3	B3	A33
Ib-23	T1	H	H	_	Н	NHCOCF3	B4	A35
Ib-24	T1	Н	Н	_	H	NHCOCF3	B4	Al
Ib-25	T1	Н	Н	_	H	NHCOCF3	B4	A41
Ib-26	T1	Н	Н	_	Н	NHCOMe	B2	A32
Ib-27	T1	Н	Н	_	H	NHCOMe	B3	A33
Ib-28	T1	Н	Н	_	H	NHCOMe	B4	A35
Ib-29	T1	H	H.	_	Н	NHCOMe	B4	Al
Ib-30	T1	Н	Н	_	H	NHCOMe	B4	A41
Ib-31	T1	Н	Н	_	H	NHSO₂Et	Bı	A41
Ib-32	TI	Н	H	_	H	NHSO ₂ Et	B4	Al
Ib-33	T1	Н	Н		Н	NHSO₂Et	B4	A41
Ib-34	T1	Н	Н		H	NHMs	B2	A32
Ib-35	T1	Н	H	1	H	NHMs	B1	A41
Ib-36	T1	Н	Н	1	H	NHMs	B4	A1
Ib-37	T1	Н	Н	1	H	NHMs	B4	A41
Ib-38	T1	H	H	-	H	NMez	B2	A6
Ib-39	T1	Н	H	-	H	NMe ₂	B3	A8
Ib-40	T1	H	H	1	Н	NMe ₂	B2	A32
Ib-41	T1	Н	H		H	NMe2	B3	A33
Ib-42	T1	Н	H	-	H	NMe2	B2	A35
Ib-43	T1	H	H	-	H	NMe ₂	B4	A32
Ib-44	T1	H	Н		H	NMe ₂	B4	A35
Ib-45	T1	H	Н	_	Н	NMe2	B5	A32
Ib-46	T1	H	H	_	H	NO ₂	B2	A6 ⁻
Ib-47	T1	H	H		H	NO ₂	B3	A8
Ib-48	TI	H	H	_	H_	NO ₂	B4	A1
Ib-49	T1	H	H		H	NO ₂	B4	A41
Ib-50	T2	H	H	H	-	Cl	B4	A1
Ib-51	T2	H	H	H		Cl	B4	A41
Ib-52	T2	H	H	Н		H	B2	A.6
Ib-53	T2	H	Н	H	_	H	B3	A8
Ib-54	T2	H	Н	H		H	B2	A32
Ib-55	T2	H	H	H		H	B3	A33
Ib-56	T2	H	Н	H		H	B2	A35
Ib-57	T2	H	Н	H		Н	B4	A32
Ib-58	T2	Н	H	H		H	B4	A35
Ib-59	T2	H	Н	H	/	Н	B4	<u>A1</u>
Ib-60	T2	H	Н	Н		Н	B4	A41

Table 68

No.		Table 00									
Ib-61	5		No.	~_c W3	R12	R13	R14	R15	X'-Y'	В	A
10	5		Ib-61		H	Н	H	-	NH2	B2	A6
1b-64 T2 H H H - NH2 B4 A1 1b-65 T2 H H H - NH2 B4 A41 1b-66 T2 H H H - NH2 B4 A41 1b-67 T2 H H Me - NH2 B4 A41 1b-68 T2 H H Me - NH2 B4 A41 1b-68 T2 H H H - NHCH2CH=CMe2 B4 A41 1b-68 T2 H H H - NHCH2CH=CMe2 B4 A41 1b-70 T2 H H Me - NHCH2CH=CMe2 B4 A41 1b-71 T2 H H Me - NHCH2CH=CMe2 B4 A41 1b-72 T2 H H H - NHCOME B4 A41 1b-73 T2 H H H - NHCOME B4 A41 1b-74 T2 H H Me - NHCOME B4 A41 1b-75 T2 H H Me - NHCOME B4 A41 1b-76 T2 H H H - NHMS B4 A41 1b-76 T2 H H H - NHMS B4 A41 1b-78 T2 H H H - NHMS B4 A41 1b-79 T2 H H H - NHMS B4 A41 1b-78 T2 H H H - NHMS B4 A41 1b-80 T2 H H H - NMe2 B2 A6 1b-81 T2 H H H - NMe2 B3 A33 1b-84 T2 H H H - NMe2 B4 A32 1b-85 T2 H H H - NMe2 B4 A32 1b-86 T2 H H H - NMe2 B4 A32 1b-87 T2 H H H - NMe2 B4 A34 1b-87 T2 H H H - OCH2CH=CMe2 B4 A41 1b-87 T2 H H H - OCH2CH=CMe2 B4 A41 1b-80 T2 H H H - OCH2CH=CMe2 B4 A41 1b-80 T2 H H H - OCH2CH=CMe2 B4 A41 1b-80 T2 H H H - OCH2CH=CMe2 B4 A41 1b-80 T2 H H H - OMe B2 A36 1b-91 T2 H H H - OMe B4 A41 1b-91 T2 H H H - OMe B4 A43 1b-91 T2 H H H - OMe B4 A32 1b-95 T2 H H H - OMe B4 A32 1b-96 T2 H H H - OMe B4 A32 1b-97 T2 H H H - OMe B4 A32 1b-97 T2 H H H - OMe B4 A32 1b-97 T2 H H H - OMe B4 A32 1b-97 T2 H H H - OMe B4 A32 1b-97 T2 H H H - OMe B4 A32 1b-97 T2 H H H - OMe B4 A32 1b-97 T2 H H H - OMe B4 A32 1b-97 T			Ib-62	T2	H	H	Н	-	NH₂	B3	A8
15-65 T2 H H H - NH2 B4 A41 15-66 T2 H H Me - NH2 B4 A11 15-67 T2 H H Me - NH2 B4 A11 15-68 T2 H H H - NHCH2CH=CMe2 B4 A11 15-69 T2 H H H - NHCH2CH=CMe2 B4 A41 15-69 T2 H H H - NHCH2CH=CMe2 B4 A41 15-70 T2 H H Me - NHCH2CH=CMe2 B4 A41 15-71 T2 H H Me - NHCH2CH=CMe2 B4 A41 15-72 T2 H H H - NHCOME B4 A41 15-73 T2 H H H - NHCOME B4 A41 15-74 T2 H H Me - NHCOME B4 A41 15-75 T2 H H Me - NHCOME B4 A41 15-76 T2 H H H - NHMS B4 A1 15-77 T2 H H H - NHMS B4 A1 15-78 T2 H H Me - NHMS B4 A41 15-79 T2 H H Me - NHMS B4 A41 15-80 T2 H H H - NMe2 B2 A62 15-81 T2 H H H - NMe2 B3 A83 15-84 T2 H H H - NMe2 B4 A35 15-85 T2 H H H - NMe2 B4 A35 15-86 T2 H H H - NMe2 B4 A41 15-87 T2 H H H - OCH2CH=CMe2 B4 A41 15-90 T2 H H H - OCH2CH=CMe2 B4 A41 15-91 T2 H H H - OCH2CH=CMe2 B4 A41 15-92 T2 H H H - OCH2CH=CMe2 B4 A41 15-93 T2 H H H - OCH2CH=CMe2 B4 A41 15-94 T2 H H H - OCH2CH=CMe2 B4 A41 15-95 T2 H H H - OMe B2 A35 15-96 T2 H H H - OMe B4 A33 15-96 T2 H H H - OMe B4 A35 15-96 T2 H H H - OMe B4 A35 15-96 T2 H H H - OMe B4 A35 15-96 T2 H H H - OMe B4 A35 15-96 T2 H H H - OMe B4 A35 15-96 T2 H H H - OMe B4 A35 15-96 T2 H H H - OMe B4 A35 15-96 T2 H H H - OMe B4 A35 15-97 T2 H H H - OMe B4 A35 15-96 T2 H H H - OMe B4 A35 15-97 T2 H H H - OMe B4 A35 15-98 T2 H H H - OMe B4 A35 15-96 T2 H H H - OMe B4			Ib-63	T2	Н	H	Н		NH2	B1	A41
Ib-65 T2			Ib-64	T2	Н	Н	Н	-	NH2	B4	Al
Ib-67 T2	10		Ib-65	T2	Н	Н	Н	-	NH2	B4	A41
15-68 T2			Ib-66	T2	Н	H	Me	_	NH2	B4	A1
15			Ib-67	T2	Н	Н	Me	-	NH2	B4	A41
Ib-70 T2 H H Me NHCH2CH=CMe2 B4 A1 Ib-71 T2 H H Me NHCH2CH=CMe2 B4 A41 Ib-72 T2 H H H NHCOME B4 A41 Ib-73 T2 H H H NHCOME B4 A41 Ib-74 T2 H H Me NHCOME B4 A41 Ib-75 T2 H H Me NHCOME B4 A41 Ib-76 T2 H H H NHMS B4 A41 Ib-78 T2 H H Me NHMS B4 A41 Ib-79 T2 H H Me NHMS B4 A41 Ib-80 T2 H H H NMe2 B2 A6 Ib-81 T2 H H H NMe2 B2 A6 Ib-82 T2 H H H NMe2 B3 A33 Ib-84 T2 H H H NMe2 B4 A35 Ib-85 T2 H H H NMe2 B4 A35 Ib-86 T2 H H H NMe2 B4 A35 Ib-87 T2 H H H OCH2CH=CMe2 B4 A41 Ib-89 T2 H H H OCH2CH=CMe2 B4 A41 Ib-90 T2 H H H OMe B3 A8 Ib-94 T2 H H H OMe B3 A8 Ib-95 T2 H H H OMe B3 A8 Ib-96 T2 H H H OMe B4 A35 Ib-97 T2 H H H OMe B4 A35 Ib-96 T2 H H H OMe B4 A35 Ib-97 T2 H H H OMe M5 Ib-98 T2 H H H OMe M5 Ib-98 T2 H H			Ib-68	T2	Н	Н	H		NHCH2CH=CMe2	B4	A1
Ib-71	15		Ib-69	T2	Н	H	Н	-		_	
1b-72 T2 H H H - NHCOMe B4 A1 1b-73 T2 H H H - NHCOMe B4 A41 1b-74 T2 H H Me - NHCOMe B4 A1 1b-75 T2 H H Me - NHCOMe B4 A41 1b-76 T2 H H H - NHMS B4 A41 1b-76 T2 H H H - NHMS B4 A41 1b-77 T2 H H H - NHMS B4 A41 1b-78 T2 H H Me - NHMS B4 A41 1b-79 T2 H H Me - NHMS B4 A41 1b-80 T2 H H H - NMe2 B2 A6 1b-81 T2 H H H - NMe2 B3 A8 1b-82 T2 H H H - NMe2 B4 A32 1b-83 T2 H H H - NMe2 B4 A35 1b-84 T2 H H H - NMe2 B4 A35 1b-85 T2 H H H - OCH2C6H5 B4 A41 1b-86 T2 H H H - OCH2CH=CMe2 B1 A41 1b-87 T2 H H H - OCH2CH=CMe2 B4 A41 1b-90 T2 H H H - OCH2CH=CMe2 B4 A41 1b-91 T2 H H H - OMe B2 A32 1b-93 T2 H H H - OMe B3 A8 1b-94 T2 H H H - OMe B3 A8 1b-95 T2 H H H - OMe B3 A33 1b-96 T2 H H H - OMe B4 A35 1b-96 T2 H H H - OMe B4 A35 1b-97 T2 H H H - OMe B4 A35 1b-96 T2 H H H - OMe B4 A35 1b-97 T2 H H H - OMe B4 A35 1b-96 T2 H H H - OMe B4 A35 1b-97 T2 H H H - OMe B4 A35 1b-97 T2 H H H - OMe B4 A35 1b-97 T2 H H H - OMe B4 A35 1b-97 T2 H H H - OMe B4 A35 1b-97 T2 H H H - OMe B4 A35 1b-97 T2 H H H - OMe B4 A35 1b-97 T2 H H H - OMe B4 A35 1b-97 T2 H H H - OMe B4 A35 1b-97 T2 H H H - OMe B4 A35 1b-97 T2 H H H - OMe B4 A35 1b-97 T2 H H H - OMe B4 A35 1b-97 T2 H H H - OMe B4 A35 1b-97 T2 H H H - OMe B4 A35 1b-97 T2 H H H - OMe B4 A35 1b-97 T2 H H H - OMe B4 A35 1b-97 T2 H			Ib-70	T2	H	Н	Me	1	NHCH2CH=CMe2	B4	Al
10-73 T2			Ib-71	T2	Н	Н	Me		NHCH2CH=CMe2	B4	A41
1b.74 T2 H H Me - NHCOMe B4 A1 1b.75 T2 H H Me - NHCOMe B4 A41 1b.76 T2 H H H - NHMS B4 A1 1b.77 T2 H H H - NHMS B4 A41 1b.78 T2 H H Me - NHMS B4 A41 1b.79 T2 H H Me - NHMS B4 A41 1b.80 T2 H H H - NMe2 B2 A6 1b.81 T2 H H H - NMe2 B3 A8 1b.82 T2 H H H - NMe2 B4 A32 1b.83 T2 H H H - NMe2 B4 A35 1b.84 T2 H H H - NMe2 B4 A35 1b.85 T2 H H H - NMe2 B4 A41 1b.86 T2 H H H - OCH2CH=CMe2 B1 A41 1b.87 T2 H H H - OCH2CH=CMe2 B1 A41 1b.89 T2 H H H - OCH2CH=CMe2 B4 A41 1b.90 T2 H H H - OMe B3 A8 1b.93 T2 H H H - OMe B3 A8 1b.94 T2 H H H - OMe B4 A32 1b.95 T2 H H H - OMe B4 A35 1b.96 T2 H H H - OMe B4 A35 1b.97 T2 H H H - OMe B4 A35 1b.96 T2 H H H - OMe B4 A35 1b.97 T2 H H H - OMe B4 A35 1b.97 T2 H H H - OMe B4 A35 1b.97 T2 H H H - OMe B4 A35 1b.97 T2 H H H - OMe B4 A35 1b.97 T2 H H H - OMe B4 A35 1b.97 T2 H H H - OMe B4 A35 1b.97 T2 H H H - OMe B4 A35 1b.97 T2 H H H - OMe B4 A35 1b.97 T2 H H H - OMe B4 A35 1b.97 T2 H H H - OMe B4 A35 1b.97 T2 H H H - OMe B4 A35 1b.97 T2 H H H - OMe B4 A35 1b.97 T2 H H H - OMe B4 A35 1b.97 T2 H H H - OMe B4 A35 1b.97 T2 H H H - OMe B4 A35 1b.97 T2 H H H - OMe B4 A35 1b.97 T2 H H H - OMe B4 A35 1b.97 T2 H H H - OMe B4 A35 1b.98 T3 H H H - OMe B4 A35 1b.98 T3 H H H - OMe B4 A35 1b.98 T3 H H H - OMe B4 A35 1b.98 T3 H H H H			Ib-72	T2	Н	Н	H	_	NHCOMe	B4	A1
Ib·75 T2 H H Me - NHCOMe B4 A41 Ib·76 T2 H H H - NHMs B4 A1 Ib·77 T2 H H H - NHMs B4 A41 Ib·78 T2 H H Me - NHMs B4 A41 Ib·79 T2 H H Me - NHMs B4 A41 Ib·80 T2 H H H - NMe2 B2 A6 Ib·81 T2 H H H - NMe2 B3 A8 Ib·82 T2 H H H - NMe2 B3 A8 Ib·83 T2 H H H - NMe2 B3 A33 Ib·84 T2 H H H - NMe2 B4 A32 Ib·85 T2 H H H - NMe2 B4 A35 Ib·86 T2 H H H - OCH2CH=CMe2 B1 A41 Ib·87 T2 H H H - OCH2CH=CMe2 B4 A41 Ib·89 T2 H H H - OCH2CH=CMe2 B4 A41 Ib·90 T2 H H H - OMe B2 A66 Ib·91 T2 H H H - OMe B3 A8 Ib·93 T2 H H H - OMe B3 A8 Ib·94 T2 H H H - OMe B4 A35 Ib·96 T2 H H H - OMe B4 A35 Ib·96 T2 H H H - OMe B4 A35 Ib·96 T2 H H H - OMe B4 A35 Ib·97 T2 H H H - OMe B4 A35 Ib·96 T2 H H H - OMe B4 A35 Ib·97 T2 H H H - OMe B4 A35 Ib·97 T2 H H H - OMe B4 A35 Ib·97 T2 H H H - OMe B4 A35 Ib·97 T2 H H H - OMe B4 A35 Ib·97 T2 H H H - OMe B4 A35 Ib·97 T2 H H H - OMe B4 A35 Ib·98 T2 H H H - OMe B4 A35 Ib·99 T2 H H H - OMe B4 A35 Ib·90 T2 H H H - OMe B4 A35 Ib·90 T2 H H H - OMe B4 A35 Ib·90 T2 H H H - OMe B4 A35 Ib·90 T2 H H H - OMe B4 A35 Ib·90 T2 H H H - OMe B4 A35 Ib·90 T2 H H H - OMe B4 A35 Ib·90 T2 H H H - OMe B4 A35 Ib·90 T2 H H H - OMe B4 A35 Ib·90 T2 H H H - OMe B4 A35 Ib·90 T2 H H H - OMe B4 A35 Ib·90 T2 H H H - OMe B4 A35 Ib·90 T2 H H H - OMe T2 H H H T3 Ib·90 T2 H H	20		Ib-73	T2	Н	H	H	-	NHCOMe	B4	A41
Ib-76 T2 H H H - NHMs B4 A1 Ib-77 T2 H H H - NHMs B4 A41 Ib-78 T2 H H Me - NHMs B4 A41 Ib-79 T2 H H Me - NHMs B4 A41 Ib-80 T2 H H H - NMe2 B2 A6 Ib-81 T2 H H H - NMe2 B3 A8 Ib-81 T2 H H H - NMe2 B3 A8 Ib-82 T2 H H H - NMe2 B3 A33 Ib-83 T2 H H H - NMe2 B4 A32 Ib-83 T2 H H H - NMe2 B4 A35 Ib-84 T2 H H H - NMe2 B4 A35 Ib-85 T2 H H H - OCH2CH=CMe2 B1 A41 Ib-86 T2 H H H - OCH2CH=CMe2 B4 A41 Ib-87 T2 H H H - OCH2CH=CMe2 B4 A41 Ib-90 T2 H H H - OMe B2 A66 Ib-91 T2 H H H - OMe B3 A8 Ib-93 T2 H H H - OMe B3 A8 Ib-94 T2 H H H - OMe B4 A35 Ib-96 T2 H H H - OMe B4 A35 Ib-96 T2 H H H - OMe B4 A35 Ib-97 T2 H H H - OMe B4 A35 Ib-97 T2 H H H - OMe B4 A35 Ib-97 T2 H H H - OMe B4 A35 Ib-97 T2 H H H - OMe B4 A35 Ib-97 T2 H H H - OMe B4 A35 Ib-97 T2 H H H - OMe B4 A35 Ib-97 T2 H H H - OMe B4 A35 Ib-98 T2 H H H - OMe B4 A35 Ib-97 T2 H H H - OMe B4 A35 Ib-98 T2 H H H - OMe B4 A35 Ib-96 T2 H H H - OMe B4 A35 Ib-97 T2 H H H - OMe B4 A35 Ib-98 T2 H H H - OMe B4 A35 Ib-98 T2 H H H - OMe B4 A35 Ib-96 T2 H H H - OMe B4 A35 Ib-96 T2 H H H - OMe B4 A35 Ib-96 T2 H H H - OMe B4 A35 Ib-96 T2 H H H - OMe B4 A35 Ib-96 T2 H H H - OMe B4 A35 Ib-96 T2 H H H - OMe B4 A35 Ib-96 T2 H H H - OMe B4 A35 Ib-96 T2 H H H - OMe B4 A35 Ib-96 T2 H H H H H M5 M5 Ib-96 T2 H H H H H M5			Ib-74	T2	Н	Н	Me	-	NHCOMe	_	
1b-77 T2 H H H - NHMs B4 A41 1b-78 T2 H H Me - NHMs B4 A1 1b-79 T2 H H Me - NHMs B4 A41 1b-80 T2 H H H - NMe2 B2 A6 1b-81 T2 H H H - NMe2 B3 A8 1b-82 T2 H H H - NMe2 B2 A32 1b-83 T2 H H H - NMe2 B4 A32 1b-84 T2 H H H - NMe2 B4 A35 1b-85 T2 H H H - NMe2 B4 A35 1b-86 T2 H H H - OCH2C6H5 B4 A1 1b-87 T2 H H H - OCH2CH=CMe2 B1 A41 1b-89 T2 H H H - OCH2CH=CMe2 B4 A1 1b-90 T2 H H H - OMe B2 A6 1b-93 T2 H H H - OMe B3 A33 1b-94 T2 H H H - OMe B4 A35 1b-95 T2 H H H - OMe B4 A35 1b-96 T2 H H H - OMe B4 A35 1b-96 T2 H H H - OMe B4 A35 1b-96 T2 H H H - OMe B4 A35 1b-96 T2 H H H - OMe B4 A35 1b-96 T2 H H H - OMe B4 A35 1b-96 T2 H H H - OMe B4 A35 1b-96 T2 H H H - OMe B4 A35 1b-96 T2 H H H - OMe B4 A35 1b-96 T2 H H H - OMe B4 A35 1b-96 T2 H H H - OMe B4 A35 1b-96 T2 H H H - OMe B4 A35 1b-96 T2 H H H - OMe B4 A35 1b-97 T2 H H H - OMe B4 A35 1b-98 T2 H H H - OMe B4 A35 1b-98 T2 H H H - OMe B4 A35 1b-98 T2 H H H - OMe B4 A35 1b-96 T2 H H H - OMe B4 A35 1b-96 T2 H H H - OMe B4 A35 1b-96 T2 H H H - OMe B4 A35 1b-96 T2 H H H - OMe B4 A35 1b-96 T2 H H H - OMe B4 A35 1b-96 T2 H H H - OMe B4 A35 1b-96 T2 H H H - OMe B4 A35 1b-96 T2 H H H - OMe B4 A35 1b-96 T2 H H H - OMe B4 A35 1b-96 T2 H H H - OMe B4 A35 1b-96 T2 H H H - OMe B4 A35 1b-96 T2 H H H - OMe B4 A3			Ib-75	T2	H	H	Me		NHCOMe		
Ib-78 T2 H H Me - NHMs B4 A1 Ib-79 T2 H H Me - NHMs B4 A41 Ib-80 T2 H H H - NMe2 B2 A6 Ib-81 T2 H H H - NMe2 B3 A8 Ib-82 T2 H H H - NMe2 B2 A32 Ib-83 T2 H H H - NMe2 B3 A33 Ib-84 T2 H H H - NMe2 B4 A35 Ib-85 T2 H H H - NMe2 B4 A35 Ib-86 T2 H H H - OCH2C5H5 B4 A1 Ib-87 T2 H H H - OCH2C5H5 B4 A41 Ib-88 T2 H H H - OCH2CH=CMe2 B1 A41 Ib-89 T2 H H H - OCH2CH=CMe2 B4 A41 Ib-90 T2 H H H - OMe B2 A6 Ib-93 T2 H H H - OMe B3 A38 Ib-93 T2 H H H - OMe B2 A32 Ib-96 T2 H H H - OMe B4 A35 Ib-96 T2 H H H - OMe			Ib-76	T2	H	H	H	-	NHMs		
Ib-78 T2 H H Me - NHMs B4 A1 Ib-79 T2 H H Me - NHMs B4 A41 Ib-80 T2 H H H - NMe2 B2 A6 Ib-81 T2 H H H - NMe2 B3 A8 Ib-82 T2 H H H - NMe2 B2 A32 Ib-83 T2 H H H - NMe2 B4 A32 Ib-84 T2 H H H - NMe2 B4 A35 Ib-85 T2 H H H - NMe2 B4 A35 Ib-86 T2 H H H - OCH2C6H5 B4 A1 Ib-87 T2 H H H - OCH2CH=CMe2 B1 A41 Ib-89 T2 H H H - OCH2CH=CMe2 B4 A41 Ib-90 T2 H H H - OMe B2 A6 Ib-91 T2 H H H - OMe B2 A35 Ib-94 T2 H H H - OMe B4 A35 Ib-96 T2 H H H - OMe B4 A35 Ib-97 T2 H H H - OMe B4 A35 Ib-96 T2 H H H - OMe B4 A35 Ib-97 T2 H H H - OMe B4 A35 Ib-96 T2 H H H - OMe B4 A35 Ib-97 T2 H H H - OMe B4 A35 Ib-96 T2 H H H - OMe B4 A35 Ib-97 T2 H H H - OMe B4 A35 Ib-96 T2 H H H - OMe B4 A35 Ib-97 T2 H H H - OMe B4 A35 Ib-96 T2 H H H - OMe B4 A35 Ib-97 T2 H H H - OMe B4 A35 Ib-98 T2 H H H - OMe B4 A35 Ib-99 T2 H H H - OMe B4 A35 Ib-90 T2 H H H - OMe B4 A35 Ib-91 T2 H H H - OMe B4 A35 Ib-91 T2 H H H - OMe B4 A35 Ib-91 T2 H H H - OMe B4 A35 Ib-91 T2 H H H - OMe B4 A35 Ib-91 T2 H H H - OMe B4 A35 Ib-91 T2 H H H - OMe B4 A35 Ib-91 T2 H H H - OMe B4 A35 Ib-91 T2 H H H - OMe B4 A35 Ib-91 T2 H H H - OMe B4 A35 Ib-91 T2 H H H - OMe B4 A35 Ib-91 T2 H H H - OMe B4 A35 Ib-91 T2 H H H - OMe B4 A35 Ib-91 T2 H H H - OMe B4 A35 Ib-91 T2 H H H - OMe B4 A35 Ib-91 T2 H H H - OMe B4 A3	25		Ib-77	T2	H	Н	H	-		B4	A41
1b-80 T2 H H H H H H H H H			Ib-78	T2	H	H	Me	_	NHMs		
1b-81 T2 H H H - NMe2 B3 A8			Ib-79	T2	H	H	Me	_	NHMs		
Ib-82 T2 H H H H H NMe2 B2 A32 Ib-83 T2 H H H H NMe2 B3 A33 Ib-84 T2 H H H NMe2 B4 A32 Ib-85 T2 H H H NMe2 B4 A35 Ib-86 T2 H H H NMe2 B4 A35 Ib-86 T2 H H H NMe2 B4 A41 Ib-87 T2 H H H NMe2 B4 A41 Ib-88 T2 H H H NMe2 B4 A41 Ib-89 T2 H H H NMe2 B4 A41 Ib-90 T2 H H H NMe2 B4 A41 Ib-91 T2 H H H NMe2 B4 A41 Ib-92 T2 H H H NMe2 B4 A41 Ib-93 T2 H H H NMe2 B4 A35 Ib-95 T2 H H H NMe2 B4 A35 Ib-96 T2 H H H NMe2 B4 A35 Ib-97 T2 H H H NMe3 B4 A35 Ib-97 T2 H H H NMe3 B4 A35 Ib-97 T2 H H H NMe3 B4 A35 Ib-98 T2 H H H NMe3 B4 A35 Ib-99 T2 H H H NMe3 B4 A35 Ib-97 T2 H H H NMe3 B4 A35 Ib-98 T2 H H H NMe3 B4 A35 Ib-99			Ib-80	T2	H	H	H				
Ib-82 T2 H H H - NMe2 B2 A32 Ib-83 T2 H H H - NMe2 B3 A33 Ib-84 T2 H H H - NMe2 B4 A32 Ib-85 T2 H H H - NMe2 B4 A35 Ib-86 T2 H H H - OCH2C6H5 B4 A1 Ib-87 T2 H H H - OCH2C5H5 B4 A41 Ib-88 T2 H H H - OCH2CH=CMe2 B1 A41 Ib-89 T2 H H H - OCH2CH=CMe2 B4 A1 Ib-90 T2 H H H - OMe B2 A6 Ib-92 T2 H H H - OMe B3 A8 Ib-93 T2 H H H - OMe B3 A33 Ib-95 T2 H H H - OMe B4 A32 Ib-96 T2 H H H - OMe B4 A32 Ib-97 T2 H H H - OMe B4 A35 Ib-97 T2 H H H - OMe Ib-97 T2 H	ào		Ib-81	T2	Н	H	H				
1b-84 T2 H H H - NMe2 B4 A32 1b-85 T2 H H H - NMe2 B4 A35 1b-86 T2 H H H - OCH2C6H5 B4 A1 1b-87 T2 H H H - OCH2C6H5 B4 A41 1b-88 T2 H H H - OCH2CH=CMe2 B1 A41 1b-89 T2 H H H - OCH2CH=CMe2 B4 A1 1b-90 T2 H H H - OCH2CH=CMe2 B4 A41 1b-91 T2 H H H - OMe B2 A6 1b-92 T2 H H H - OMe B3 A8 1b-93 T2 H H H - OMe B4 A32 1b-95 T2 H H H - OMe B4 A32 1b-96 T2 H H H - OMe B4 A35 1b-97 T2 H H H - OMe B4 A35 1b-97 T2 H H H - OMe B4 A35 1b-98 T2 H H H - OMe B4 A35 1b-98 T2 H H H - OMe B4 A35 1b-98 T2 H H H - OMe B4 A35 1b-98 T2 H H H - OMe B4 A35 1b-98 T2 H H H - OMe B4 A35 1b-98 T2 H H H - OMe B4 A35 1b-98 T2 H H H - OMe B4 A35 1b-98 T2 H H H - OMe B4 A35 1b-98 T2 H H H - OMe B4 A35 1b-98 T2 H H H - OMe B4 A35 1b-98 T2 H H H - OMe B4 A35 1b-96 T2 H H H - OMe B4 A35 1b-98 T2 H H H - OMe B4 A35 1b-98 T2 H H H - OMe B4 A35 1b-96 T2 H H H - OMe B4 A35 1b-96 T2 H H H - OMe B4 A35 1b-96 T2 H H H - OMe B4 A35 1b-96 T2 H H H - OMe B4 A35 1b-96 T2 H H H - OMe B4 A35 1b-96 T2 H H H - OMe B4 A35 1b-96 T2 H H H - OMe B4 A35 1b-96 T2 H H H - OMe B4 A35 1b-96 T2 H H H - OMe B4 A35 1b-96 T2 H H H - OMe B4 A35 1b-96 T2 H H H - OMe B4 A35 1b-96 T2 H H H H - OMe B4 A35 1b-96 T2 H H H H - OMe B4 A35 1b-96 T2 H H H H - OMe M4 1b-96 T2 H H H H H M5 M4 1b-96 T2 H H H H	30		Ib-82	T2	H	H					
Ib-85 T2 H H H - NMe2 B4 A35 Ib-86 T2 H H H - OCH2C6H5 B4 A1 Ib-87 T2 H H H - OCH2C6H5 B4 A41 Ib-88 T2 H H H - OCH2CH=CMe2 B1 A41 Ib-89 T2 H H H - OCH2CH=CMe2 B4 A1 Ib-90 T2 H H H - OCH2CH=CMe2 B4 A41 Ib-91 T2 H H H - OMe B2 A6 Ib-92 T2 H H H - OMe B3 A8 Ib-93 T2 H H H - OMe B3 A33 Ib-95 T2 H H H - OMe B4 A35 Ib-96 T2 H H H - OMe B4 A35 Ib-97 T2 H H H - OMe B4 A35 Ib-98 T2 H H H - OMe B4 A35 Ib-99 T2 H H H - OMe B4 A35 Ib-99 T2 H H H - OMe B4 A35 Ib-99 T2 H H H - OMe B4 A35 Ib-99 T2 H H H - OMe B4 A35 Ib-99 T2 H H H - OMe B4 A35 Ib-99 T2 H H H - OMe B4 A35 Ib-99 T2 H H H - OMe B4 A35 Ib-99 T2 H H H - OMe B4 A35 Ib-99 T2 H H H - OMe B4 A35 Ib-99 T2 H H H - OMe B4 A35 Ib-99 T2 H H H - OMe B4 A35 Ib-99 T2 H H H - OMe B4 A35 Ib-99 T2 H H H - OMe B4 A35 Ib-90 T2 H H H - OMe B4 A35 Ib-90 T2 H H H - OMe B4 A35 Ib-90 T2 H H H - OMe B4 A35 Ib-90 T2 H H H - OMe B4 A35 Ib-91 T2 H H H - OMe B4 A35 Ib-92 T2 H H H - OMe B4 A35 Ib-93 T2 H H H - OMe B4 A35 Ib-94 T2 H H H - OMe B4 A35 Ib-95 T2 H H H H - OMe B4 A35 Ib-95 T2 H H H H - OMe B4 A35 Ib-95 T2 H H H H - OMe B4 A35 Ib-96 T2 H H H H - OMe B4 A35 Ib-96 T2 H H H H - OMe B4 A35 Ib-96 T2 H H H H H - OMe B4 A35 Ib-96 T2 H H H H H H H H H			Ib-83	T2	H			-		_	
Ib-86 T2 H H H - OCH2C6H5 B4 A1 Ib-87 T2 H H H - OCH2C5H5 B4 A41 Ib-88 T2 H H H - OCH2CH=CMe2 B1 A41 Ib-89 T2 H H H - OCH2CH=CMe2 B4 A1 Ib-90 T2 H H H - OCH2CH=CMe2 B4 A41 Ib-91 T2 H H H - OMe B2 A6 Ib-92 T2 H H H - OMe B3 A8 Ib-93 T2 H H H - OMe B3 A33 Ib-95 T2 H H H - OMe B4 A32 Ib-96 T2 H H H - OMe B4 A35 Ib-97 T2 H H H - OMe B4 A35 Ib-98 T2 H H H - OMe B4 A35 Ib-98 T2 H H H - OMe B4 A35 Ib-98 T2 H H H - OMe B4 A35 Ib-98 T2 H H H - OMe B4 A35 Ib-98 T2 H H H - OMe B4 A35 Ib-98 T2 H H H - OMe B4 A35 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H H - OMe B4 A15 Ib-98 T2 H H H H - OMe B4 A15 Ib-98 T2 H H H H H H H OMe B4 A15 Ib-98 T2 H H H H H H H OMe H A15 Ib-98 T2 H H H H H H H H H			Ib-84	T2				-			
Ib-87 T2 H H H - OCH2C5H5 B4 A41 Ib-88 T2 H H H - OCH2CH=CMe2 B1 A41 Ib-89 T2 H H H - OCH2CH=CMe2 B4 A1 Ib-90 T2 H H H - OCH2CH=CMe2 B4 A41 Ib-91 T2 H H H - OMe B2 A6 Ib-92 T2 H H H - OMe B3 A8 Ib-93 T2 H H H - OMe B3 A33 Ib-95 T2 H H H - OMe B4 A35 Ib-96 T2 H H H - OMe B4 A35 Ib-97 T2 H H H - OMe B4 A35 Ib-98 T2 H H H - OMe B4 A35 Ib-98 T2 H H H - OMe B4 A35 Ib-98 T2 H H H - OMe B4 A35 Ib-98 T2 H H H - OMe B4 A35 Ib-98 T2 H H H - OMe B4 A35 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe OMe			Ib-85	T2	H						
Ib-88 T2 H H H - OCH2CH=CMe2 B1 A41 Ib-89 T2 H H H - OCH2CH=CMe2 B4 A1 Ib-90 T2 H H H - OCH2CH=CMe2 B4 A41 Ib-91 T2 H H H - OMe B2 A6 Ib-92 T2 H H H - OMe B3 A8 Ib-93 T2 H H H - OMe B3 A33 Ib-94 T2 H H H - OMe B4 A35 Ib-96 T2 H H H - OMe B4 A35 Ib-97 T2 H H H - OMe B4 A35 Ib-98 T2 H H H - OMe B4 A35 Ib-98 T2 H H H - OMe B4 A35 Ib-98 T2 H H H - OMe B4 A35 Ib-98 T2 H H H - OMe B4 A35 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-96 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H H - OMe B4 A15 Ib-98 T2 H H H H - OMe B4 A15 Ib-98 T2 H H H H H H OMe B4 A15 Ib-98 T2 H H H H H H OMe B4 A15 Ib-98 T2 H H H H H H OMe B4 A15 Ib-98 T2 H H H H H H OMe B4 A15 Ib-98 T2 H H H H H OMe B4 A15 Ib-98 T2 H H H H H OMe T2 A15 Ib-98	35		Ib-86	T2	H			-		_	
Ib-89 T2 H H H - OCH2CH=CMe2 B4 A1 Ib-90 T2 H H H - OCH2CH=CMe2 B4 A41 Ib-91 T2 H H H - OMe B2 A6 Ib-92 T2 H H H - OMe B3 A8 Ib-93 T2 H H H - OMe B3 A33 Ib-94 T2 H H H - OMe B4 A35 Ib-96 T2 H H H - OMe B4 A35 Ib-97 T2 H H H - OMe B4 A35 Ib-98 T2 H H H - OMe B4 A35 Ib-98 T2 H H H - OMe B4 A35 Ib-98 T2 H H H - OMe B4 A35 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe Ib-98 Ib-98 T3 H H H - OMe Ib-98 Ib-98 T3 H H H H OMe Ib-98 Ib-98 T3 H H H H OMe Ib-98 Ib-98 T3 H H H OMe Ib-98 Ib-98 T3 H H H			Ib-87	T2	H					_	
1b-90 T2 H H H - OCH2CH=CMe2 B4 A41 1b-91 T2 H H H - OMe B2 A6 1b-92 T2 H H H - OMe B3 A8 1b-93 T2 H H H - OMe B2 A32 1b-94 T2 H H H - OMe B3 A33 1b-95 T2 H H H - OMe B3 A35 1b-96 T2 H H H - OMe B4 A32 1b-97 T2 H H H H - OMe B4 A35 1b-97 T2 H H H H - OMe B4 A35			Ib-88	T2	H			_			
To To H H H H OMe B2 A6 Ib-92 T2 H H H H OMe B3 A8 Ib-93 T2 H H H H OMe B2 A32 Ib-94 T2 H H H OMe B2 A33 Ib-95 T2 H H H OMe B2 A35 Ib-96 T2 H H H OMe B4 A32 Ib-97 T2 H H H OMe B4 A35 Ib-98 T2 H H H OMe B4 A35 Ib-98 T2 H H H OMe B4 A35 Ib-98 T2 H H H OMe B4 A15 Ib-98 T2 H H H OMe Ib-98			Ib-89	T2	H						
Ib-92 T2 H H H - OMe B3 A8 Ib-93 T2 H H H - OMe B2 A32 Ib-94 T2 H H H - OMe B3 A33 Ib-95 T2 H H H - OMe B4 A35 Ib-96 T2 H H H - OMe B4 A35 Ib-97 T2 H H H - OMe B4 A35 Ib-98 T2 H H H - OMe B4 A35 Ib-98 T2 H H H - OMe B4 A35 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe B4 A15 Ib-98 T2 H H H - OMe Ib-98 Ib-98 T2 H H H - OMe Ib-98 Ib-98 T2 H H H - OMe Ib-98 40		Ib-90	T2		H						
Tb-93 T2 H H H - OMe B2 A32 Tb-94 T2 H H H - OMe B3 A33 Tb-95 T2 H H H - OMe B4 A35 Tb-96 T2 H H H - OMe B4 A35 Tb-97 T2 H H H - OMe B4 A35 Tb-98 T2 H H H - OMe B4 A35 Tb-98 T2 H H H - OMe B4 A15 Ta-98			Ib-91	T2	H					-	
Ib-94 T2 H H H - OMe B3 A33 Ib-95 T2 H H H - OMe B2 A35 Ib-96 T2 H H H - OMe B4 A32 Ib-97 T2 H H H - OMe B4 A35 Ib-98 T2 H H H - OMe B4 A35			Ib-92	T2							
Ib-95 T2 H H H - OMe B2 A35 Ib-96 T2 H H H - OMe B4 A32 Ib-97 T2 H H H - OMe B4 A35 Ib-98 T2 H H H - Ms B4 A1			Ib-93	T2	H						
Ib-96 T2 H H H - OMe B4 A32 Ib-97 T2 H H H - OMe B4 A35 Ib-98 T2 H H H - Ms B4 A1	45		Ib-94	T2	H	H		<u> </u>			
Ib-97 T2 H H H - OMe B4 A35 Ib-98 T2 H H H - Ms B4 A1			Ib-95	T2	H						
Th 00 T2 H H - Ms B4 A1				T2							
50 Tb-98 T2 H H H - Ms B4 A1			Ib-97	T2	H			_			
	50		Ib-98	T2	H						
Ib-99 T2 H H H - Ms B4 A41					1	7.7	1 77	1	λ.f.~	ID al	F & A 1 1
Ib-100 T3 H H H H H - B2 A6			Ib-99	T2	H						· · · · · · · · · · · · · · · · · · ·

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Table 69

5	No.	√3°C }—	R12	R13	R14	R15	X'-Y'	В	A
_	Ib-101	Т3	Н	H	H	H	_	B2	A32
	Ib-102	Т3	H	Н	H	H	_	B2	A35
	Ib-103	Т3	H	H	H	H	-	B3	A8
10	Ib-104	T3	H	Н	Н	H	_	В3	A33
70	Ib-105	T3	H	Н	H	H	_	B4	A11
	Ib-106	Т3	H	Н	H	H	-	B4	A32
	Ib-107	Т3	Н	Н	H	H	_	B4	A35
	Ib-108	Т3	Н	Н	H	Н		B4	A37
15	Ib-109	ТЗ	H	Н	H	Н	-	B4	A38
	Ib-110	T3	H	H	H	Н		B4	A1
	Ib-111	T3	H	H	H	Н	_	B4	A41
	Ib-112	T4	H	H		H	_	B3	A8
20	Ib-113	T4	Н	Н	<u> </u>	Н	_	B2	A32
	Ib-114	T4	H	Н	-	Н	_	B3	A33
	Ib-115	T4	H	H	_	OMe	_	B4	A1
	Ib-116	T4	H	H	_	OMe	-	B4	A41
25	Ib-117	T4	H	CI	-	Н	_	B2	A6
	Ib-118	T4	H	Cl	_	Н	-	B3	A8
	Ib-119	T4	H	Cl	-	Н	-	ВЗ	A33
	Ib-120	T4	H	Cl	_	Н	-	B4	Al
30	Ib-121	T4	H	Cl	_	Н	-	B4	A41
	Ib-122	T4	Н	OH	_	Н	_	B4	A1
	Ib-123	T4	H	ОН	_	Н		B4	A41
	Ib-124	T4	Н	OMe	_	Н	_	B2	A32
25	Ib-125	T4	Н	OMe	_	H	_	B4	A35
35	Ib-126	T4		OMe	_	Н		B4	A1
	Ib-127	T4		OMe	_	H	_	B4	A41
	Ib-128	T5	Н	-	H		H	B2	A32
	Ib-129	T5	H	_	H		H	B3	A33
40	Ib-130	T5	H	-	H	-	H	B4	A35
	Ib-131	T5	Н	_	H		OH	B4	A35
	Ib-132	T5	H		H		OCH ₂ C ₅ H ₅	B4	A1
	Ib-133	T5	H		H		OCH ₂ C ₆ H ₅	B4	A41
45	Ib-134	T5	H		H		OCH2CH=CMe2	B4	A1
	Ib-135	T5	Н	-	H		OCH2CH=CMe2	B4	A41
	Ib-136	T 5	H		H		NMe ₂	B2	A32
	Ib-137	Т5	H		H]	NMe2	B4	A35
50	Ib-138	T5	H		H		NHCH2CH=CMe2		Al
	Ib-139	T5	Н		H]	NHCH2CH=CMe2		
	T1 140	TIC	1	TT	1	TT	7.7	na	4.0.0

T6

Ib-140

B2 A32

Table 70

No.	₩ ₃ C	R12	R13	R14	R15	X'-Y'	В	A
Ib-141	T6	_	H	_	H	H	B4	A35
Ib-142	T7	Н	H	_	-	H	B2	A32
Ib-143	T7	Н	H	_	-	H	В3	A33
Ib-144	T7	Н	Н	-	_	Cl	B2	A6
Ib-145	T7	Н	Н	_	_	Cl	B3	A8
Ib-146	T7	H	H	_	-	Cl	B2	A32
Ib-147	T7	Н	Н	_	_	Cl	B3	A33
Ib-148	T7	Н	Н	_	_	Cl	B4	A35
Ib-149	T7	Н	Н	-	_	Cl	B4	A1
Ib-150	T7	Н	Н	_	_	Cl	B4	A41
Ib-151	T7	Н	Н		-	NHCH2CH=CMe2	B4	Al
Ib-152	Т7	Н	Н	_	-	NHCH2CH=CMe2	B4	A41
Ib-153	T7	Н	Н	_	_	NMe ₂	B2	A6
Ib-154	T7	Н	Н	-	_	NMe ₂	В3	A8
Ib-155	T7	Н	Н	_	_	NMe ₂	B2	A32
Ib-156	T7	Н	H	_	_	NMe2	B3	A33
Ib-157	T7	Н	Н	_	_	NMe2	B4	A35
Ib-158	Т7	Н	Н		_	OCH2C6H5	B4	A1
Ib-159	T7	Н	Н	-		OCH2C6H5	B4	A41
Ib-160	Т7	Н	Н	1	1	OCH ₂ CH=CMe ₂	B4	A1
Ib-161	T7	Н	Н	1	_	OCH ₂ CH=CMe ₂	B4	A41
Ib-162	T7	H	Н	1	ı	OMe	B2	A32
Ib-163	Т7	Н	H	1	-	OMe	B4	A35
Ib-164	T7	Н	Н	1	1	OMe	B4	A1
Ib-165	Т7	H	H	_	-	OMe	B4	A41
Ib-166	Т8	H			Н	H	B2	A6'
Ib-167	Т8	Н	1	1	Н	Н	В3	A8
Ib-168	Т8	Н	_		Н	H	B2	A32
Ib-169	Т8	Н	_		Н	H	B3	A33
1b-170	Т8	Н		_	Н	H	B4	A35
Ib-171	Т8	Н		_ ;	Н	OMe	B2	A32
Ib-172	Т8	Н	_		H	OMe	B4	A35
Ib-173	Т8	H	-	-	H	NMe ₂	B2	A32
Ib-174	Т8	Н	_	_	Н	NMe ₂	B4	A35
Ib-175	Т8	Н		_	Н	Cl	B4	Al
Ib-176	T8	Н		_	Н	C1	B4	A41
Ib-177	Т8	Н	_]	Н	OCH2C6H5	B4	A1
Ib-178	Т8	Н			Н	OCH ₂ C ₆ H ₅	B4	A41
Ib-179	Т8	Н			Н	OCH2CH=CMe2	B4	A1
Ib-180	T8	Н	_		Н	OCH ₂ CH=CMe ₂	B4	A41

Table 71

No.	M ₃ C	R12	R13	R14	R15	X'-Y'	В	A
Ib-181	Т8	H	_	_	H	NHCH2CH=CMe2	B4	A1
Ib-182	T8	Н	_	_		NHCH2CH=CMe2		A41
Ib-183	Т9	Н	OCH ₂ C ₆ H ₅	-	_	-	B4	A1
Ib-184	Т9	Н	OCH2C6H5	_	_	_	B4	A41
Ib-185	T9	Н	OCH2CH=CMe2	_	_		B4	A1
Ib-186	Т9	Н	OCH2CH=CMe2	_	-	-	B4	A41
Ib-187	Т9	Н	NH ₂	_	-		B4	A1
Ib-188	Т9	Н	NH2	_			B4	A41
Ib-189	Т9	Н	NHCH2CH=CMe2	_	_		B4	Al
Ib-190	Т9	Н	NHCH2CH=CMe2			-	B4	A41
Ib-191	Т9	Н	NHMs		_	-	B4	A1
Ib-192	Т9	Н	NHMs	_	_		B4	A41
Ib-193	T10	Н	OCH2C6H5	_	_	-	B4	A1
Ib-194	T10	H	OCH2C6H5	1	-	-	B4	A41
Ib-195	T10	Н	OCH2CH=CMe2	_	_		B 4	Aı
Ib-196	T10	Н	OCH2CH=CMe2	1	1	-	B4	A41
Ib-197	T10	H	NH2	1	-	1	B4	A1
Ib-198	T10	Н	NH2	1	1		B4	A41
Ib-199	T10	Н	NHCH2CH=CMe2	_	_	-	B4	A1
Ib-200	T10	Н	NHCH2CH=CMe2	_	-		B4	A41
Ib-201	T10	Н	NHMs	_	-	_	B4	A1
Ib-202	T10	Н	NHMs		_		B4	A41
Ib-203	T11	Н	Н	Н	H	-	B2	A6
Ib-204	T11	Н	Н	Н	Н		B3	A8
Ib-205	T11	Н	H	Н	H		B2	A32
Ib-206	T11	Н	Н	Н	Н		B3	A33
Ib-207	T1	Н	Н	-	Н	NHCH2CH=CMe2		
Ib-208	T1	H	H	·-	H	NH ₂		A37
Ib-209	T1	H	H		H	NO ₂		A37
Ib-210	T1	H	H	<u> </u>	H	H	B4	A5
Ib-211	T1	H	H	-	H	H	B4	
Ib-212	T1	H	H		H	NH-cHex		A37
Ib-213	T1	H	H	-	H	OMe		A37
Ib-214	T1	H	H		H	OCH ₂ CH=CMe ₂ NH ₂	B4 B7	A37
Ib-215	T1	H	H		H	NHCH2CH=CMe2		A37 A37
Ib-216 Ib-217	$\begin{array}{c c} T1 \\ \hline T1 \end{array}$	H	H H	-	H	OH OH		A37

Table 72

No.	Ib-218 T2
Ib-218	Ib-218 T2
Ib-220 T2	Ib-220 T2
16	Ib-221 T2
Ib-222 T2	Ib-222 T2
Ib-223 T2	Ib-223 T2
Ib-224 T2	Ib-224 T2
15	15
1b-226 T2	Ib-226 T2
Ib-227 T2	Ib-227 T2 H H H . OCH2CH=CMe2 B4 A
1b-228 T2	10-228 T2
The color The	Th-229 T2
Ib-229 T2	Ib-229 T2
Ib-231 T2	Ib-231 T2
Ib-232 T2	Ib-232 T2
Ib-233 T2	Ib-233 T2 H H H - OCH2CH=CMe2 B4 A Ib-234 T2 H H H - OCH2CH=CMe2 B4 A Ib-235 T2 H H H - OCH2CH=CMe2 B4 A Ib-236 T2 H H H - OCH2CH=CMe2 B4 A Ib-237 T2 H H H - OCH2CH=CMe2 B4 A Ib-238 T2 H H H - OCH2CH=CMe2 B4 A Ib-239 T2 H H H - OCH2CH=CMe2 B4 A Ib-240 T2 H H H - OCH2CH=CMe2 B4 A Ib-241 T2 H H H - OCH2CH=CMe2 B4 A Ib-241 T2 H H H - OCH2CH=CMe2 B4 A Ib-241 T2 H H H - OCH2CH=CMe2 B4 A Ib-241 T2 H H H - OCH2CH=CMe2 B4 A Ib-241 T2 H H H - OCH2CH=CMe2 B4 A Ib-241 T2 H H H - OCH2CH=CMe2 B4 A Ib-241 T2 H H H - OCH2CH=CMe2 B4 A Ib-241 T2 H H H - OCH2CH=CMe2 B4 A Ib-241 T2 H H H - OCH2CH=CMe2 B4 A Ib-241 T2 H H H H - OCH2CH=CMe2 B4 A Ib-241 T2 H H H H - OCH2CH=CMe2 B4 A Ib-241 T2 H H H H - OCH2CH=CMe2 B4 A Ib-241 T2 H H H H - OCH2CH=CMe2 B4 A Ib-241 T2 H H H H - OCH2CH=CMe2 B4 A Ib-241 T2 H H H H - OCH2CH=CMe2 B4 A Ib-241 T2 H H H H - OCH2CH=CMe2 B4 A Ib-241 T2 H H H H - OCH2CH=CMe2 B4 A Ib-241 T2 H H H H - OCH2CH=CMe2 B4 A Ib-241 T2 H H H H - OCH2CH=CMe2 B4 A Ib-241 T2 H H H H - OCH2CH=CMe2 B4 A Ib-241 T2 H H H H - OCH2CH=CMe2 B4 A Ib-241 T2 H H H H - OCH2CH=CMe2 B4 A Ib-241 T2 H H H H H - OCH2CH=CMe2 B4 A Ib-241 T2 H H H H H H H H H
Ib-234 T2	Ib-234 T2
Ib-235 T2	Ib-235 T2 H H H COCH2CH=CMe2 B4 A
Ib-236 T2	Ib-236 T2 H H H COCH2CH=CMe2 B4 A Ib-237 T2 H H H COCH2CH=CMe2 B4 A Ib-238 T2 H H H COCH2CH=CMe2 B4 A Ib-239 T2 H H H COCH2CH=CMe2 B4 A Ib-240 T2 H H H COCH2CH=CMe2 B4 A Ib-241 T2 H H H H COCH2CH=CMe2 B4 A Ib-241 T2 H H H H COCH2CH=CMe2 B4 A Ib-241 T2 T2 H H H COCH2CH=CMe2 B4 A Ib-
Ib-237 T2	Ib-237 T2 H H H - OCH2CH=CMe2 B4 A Ib-238 T2 H H H - OCH2CH=CMe2 B4 A Ib-239 T2 H H H - OCH2CH=CMe2 B4 A Ib-240 T2 H H H - OCH2CH=CMe2 B4 A Ib-241 T2 H H H - OCH2CH=CMe2 B4 A
Ib-238 T2 H H H - OCH2CH=CMe2 B4 A104 Ib-239 T2 H H H - OCH2CH=CMe2 B4 A45 Ib-240 T2 H H H - OCH2CH=CMe2 B4 A47 Ib-241 T2 H H H - OCH2CH=CMe2 B4 A49 Ib-242 T2 H H H - OCH2CH=CMe2 B4 A48 Ib-243 T2 H H H - OCH2CH=CMe2 B4 A53 Ib-244 T2 H H H - OCH2CH=CMe2 B4 A50 Ib-245 T2 H H H - OCH2CH=CMe2 B4 A57 Ib-246 T2 H H H - OCH2CH=CMe2 B4 A55 Ib-247 T2 H H H - OCH2CH=CMe2 B4 A55 Ib-248 T2 H H H - OCH2CH=CMe2 B4 A42 Ib-249 T2 H H H - OCH2CH=CMe2 B4 A43 Ib-250 T2 H H H - OCH2CH=CMe2 B4 A67 Ib-251 T2 H H H - OCH2CH=CMe2 B4 A67 Ib-251 T2 H H H - OCH2CH=CMe2 B4 A66 Ib-251 T2 H H H - OCH2CH=CMe2 B4 A67 Ib-251 T2 H H H - OCH2CH=CMe2 B4 A67 Ib-251 T2 H H H - OCH2CH=CMe2 B4 A67 Ib-251	Ib-238 T2
Ib-239 T2	Ib-239 T2 H H H - OCH2CH=CMe2 B4 A Ib-240 T2 H H H - OCH2CH=CMe2 B4 A Ib-241 T2 H H H - OCH2CH=CMe2 B4 A
Ib-240 T2	Ib-240 T2 H H H - OCH2CH=CMe2 B4 A Ib-241 T2 H H H - OCH2CH=CMe2 B4 A
Ib-240 T2	Ib-240 T2 H H H - OCH2CH=CMe2 B4 A Ib-241 T2 H H H - OCH2CH=CMe2 B4 A
Ib-242 T2	10.011
Ib-243 T2 H H H - OCH2CH=CMe2 B4 A53 Ib-244 T2 H H H - OCH2CH=CMe2 B4 A50 Ib-245 T2 H H H - OCH2CH=CMe2 B4 A59 Ib-246 T2 H H H - OCH2CH=CMe2 B4 A57 Ib-247 T2 H H H - OCH2CH=CMe2 B4 A55 Ib-248 T2 H H H - OCH2CH=CMe2 B4 A42 Ib-249 T2 H H H - OCH2CH=CMe2 B4 A43 Ib-250 T2 H H H - OCH2CH=CMe2 B4 A67 Ib-251 T2 H H H - OCH2CH=CMe2 B4 A62 Ib-251 T2 H H H - OCH2CH=CMe2 B4 A62 Ib-251 T2 H H H - OCH2CH=CMe2 B4 A62 Ib-251 T2 H H H - OCH2CH=CMe2 B4 A62 Ib-251 T2 H H H - OCH2CH=CMe2 B4 A62 Ib-251 T2 H H H - OCH2CH=CMe2 B4 A62 Ib-251 T2 H H H - OCH2CH=CMe2 B4 A62 Ib-251 T2 H H H - OCH2CH=CMe2 B4 A62 Ib-251 T2 H H H - OCH2CH=CMe2 B4 A62 Ib-251 T2 H H H - OCH2CH=CMe2 B4 A62 Ib-251 T2 H H H - OCH2CH=CMe2 B4 A62 Ib-251 T2 H H H - OCH2CH=CMe2 B4 A62 Ib-251 T2 H H H - OCH2CH=CMe2 B4 A62 Ib-251 T2 H H H - OCH2CH=CMe2 B4 A62 Ib-251 T2 H H H - OCH2CH=CMe2 B4 A62 Ib-251 T2 H H H - OCH2CH=CMe2 B4 A62 Ib-251 T2 H H H - OCH2CH=CMe2 B4 A62 Ib-251 T2 H H H - OCH2CH=CMe2 B4 A62 Ib-251 T2 H H H - OCH2CH=CMe2 B4 A62 Ib-251 T2 H H H - OCH2CH=CMe2 B4 Ib-251 T2 H H H - OCH2CH=CMe2 B4 A62 Ib-251 T2 H H H - OCH2CH=CMe2 B4 A62 Ib-251 T2 H H H - OCH2CH=CMe2 B4 A62 Ib-251 T2 H H H - OCH2CH=CMe2 B4 A62 Ib-251 T2 H H H - OCH2CH=CMe2 B4 A62 Ib-251 T2 H H H - OCH2CH=CMe2 B4 A62 Ib-251 T2 H H H - OCH2CH=CMe2 B4 A62 Ib-251 T2 H H H - OCH2CH=CMe2 B4 A62 Ib-251 T2 H H H - OCH2CH=CMe2 B4 A62 Ib-251 T2 H	
Ib-244 T2 H H H - OCH2CH=CMe2 B4 A50 Ib-245 T2 H H H - OCH2CH=CMe2 B4 A59 Ib-246 T2 H H H - OCH2CH=CMe2 B4 A57 Ib-247 T2 H H H - OCH2CH=CMe2 B4 A55 Ib-248 T2 H H H - OCH2CH=CMe2 B4 A42 Ib-249 T2 H H H - OCH2CH=CMe2 B4 A43 Ib-250 T2 H H H - OCH2CH=CMe2 B4 A67 Ib-251 T2 H H H - OCH2CH=CMe2 B4 A62	10 4 14 14 14
Ib-245 T2	40
Ib-246 T2 H H H COCH2CH=CMe2 B4 A57 Ib-247 T2 H H H COCH2CH=CMe2 B4 A55 Ib-248 T2 H H H COCH2CH=CMe2 B4 A42 Ib-249 T2 H H H COCH2CH=CMe2 B4 A43 Ib-250 T2 H H H COCH2CH=CMe2 B4 A67 Ib-251 T2 H H H COCH2CH=CMe2 B4 A62 Ib-251 T2 H H H COCH2CH=CMe2 B4	10-12
Ib-247 T2 H H H OCH2CH=CMe2 B4 A55 Ib-248 T2 H H H OCH2CH=CMe2 B4 A42 Ib-249 T2 H H H OCH2CH=CMe2 B4 A43 Ib-250 T2 H H H OCH2CH=CMe2 B4 A67 Ib-251 T2 H H H OCH2CH=CMe2 B4 A62	10-240 12 11
Ib-248 T2 H H H - OCH2CH=CMe2 B4 A42 Ib-249 T2 H H H - OCH2CH=CMe2 B4 A43 Ib-250 T2 H H H - OCH2CH=CMe2 B4 A67 Ib-251 T2 H H H - OCH2CH=CMe2 B4 A62	
Ib-249 T2 H H H - OCH2CH=CMe2 B4 A43 Ib-250 T2 H H H - OCH2CH=CMe2 B4 A67 Ib-251 T2 H H H - OCH2CH=CMe2 B4 A62	
Ib-250 T2 H H H OCH2CH=CMe2 B4 A67 Ib-251 T2 H H H OCH2CH=CMe2 B4 A62	10-240 12 12 12 12
50 Ib-251 T2 H H H OCH ₂ CH=CMe ₂ B4 A62	10-240 12 11 12
Ib-251 T2 H H H OCH2CH=CMe2 B4 A62	50
	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Ib-252 T2 H H H . OCH2CH=CMe2 B4 A

Table 73

No.	W ₃ c	R12	R13	R14	R15	X'-Y'	В	A
Ib-253	T2	Н	Н	Н		OCH ₂ CH=CMe ₂	B4	A78
Ib-254	T2	Н	Н	Н		OCH ₂ CH=CMe ₂	B4	A79
Ib-255	T2	H	Н	H		OCH ₂ CH=CMe ₂	B4	A84
Ib-256	T2	Н	Н	Н		OCH ₂ CH=CMe ₂	B4	A85
Ib-257	T2	Н	H	H	-	OCH ₂ CH=CMe ₂	B4	A60
Ib-258	T2	Н	Н	Н	-	OCH ₂ CH=CMe ₂	B4	A61
Ib-259	T2	Н	Н	Н	-	OCH ₂ CH=CMe ₂	B4	A46
Ib-260	T2	Н	NO ₂	Н	-	OCH ₂ CH=CMe ₂	B4	A46
Ib-261	T2	Н	Н	Н	-	OCH ₂ CH=CMe ₂	B4	A107
Ib-262	T2	Н	Н	Н	-	OCH ₂ CH=CMe ₂	B4	A37
Ib-263	T2	Н	Н	H	-	OCH ₂ CH=CMe ₂	B4	A108
Ib-264	Т2	H	Н	Н	-	OCH2CH=CMe2	B4	A109
Ib-265	T2	H	Н	H	-	OCH ₂ CH=CMe ₂	B4	A110
Ib-266	T2	Н	Н	Н	-	OCH ₂ CH=CMe ₂	B4	A113
Ib-267	Т2	Н	Н	Н	-	OCH ₂ CH=CMe ₂	B4	A114
Ib-268	T2	Н	Н	Me		OCH2CH=CMe2	B4	A67
Ib-269	T2	Н	Me	Н		OCH ₂ CH=CMe ₂	B4	A67
Ib-270	T2	Me	Н	Н	-	OCH ₂ CH=CMe ₂	B4	A67
Ib-271	T2	Н	Me	Н	-	OCH ₂ CH=CMe ₂	B4	A64
Ib-272	. T2	Me	Н	H	-	OCH ₂ CH=CMe ₂	B4	A64
Ib-273	T2	Н	Н	Me	-	OCH ₂ CH=CMe ₂	B4	A46
Ib-274	T2	Н	Me	Н	-	OCH ₂ CH=CMe ₂	B4	A46
Ib-275	T2	Me	Н	Н	-	OCH2CH=CMe2	B4	A46
Ib-276	T2	Н	Н	Me	-	OCH ₂ CH=CMe ₂	B4	A42
Ib-277	T2	Н	Me	H	-	OCH ₂ CH=CMe ₂	B4	A42
Ib-278	T2	Me	Н	H	-	OCH ₂ CH=CMe ₂	B4	A42
Ib-279	T2	Н	Н	H		OCH ₂ CH ₂ F	B4	A46
Ib-280	T 2	Н	Н	Н	•	$OCH_2C \equiv CH$	B4	A47
Ib-281	T2	Н	Н	Н		OCH2CH=CH2	B4	A45
Ib-282	T 2	Н	Н	Н		CH2CH2CH=CMe2	B4	A67
Ib-283	T 2	Н	Н	Н	•	NHCH2CH=CMe2	B4	A37
Ib-284	T2	Н	Н	Н	•	NHCH2CH=CMe2	B4	A.5
Ib-285	T2	Н	H	H	•	NH ₂	B4	A37
Ib-286	T2	Н	Н	Н	-	NH ₂	B4	A5
Гъ-287	T2	Н	Н	Н		NH-cHex	B4	A5
Ib-288	T2	Н	Н	Н	-	OCH ₂ -2-furyl	B4	A67

Table 74

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No.	w ₃ c	R12	R13	R14	R15	X'-Y'	В	A
Ib-289	T2	H	Н	H		CH2C≡CMe	B4	A67
Ib-290	T2	Н	Н	Н	•	1-pyrrolyl	B4	A67
Ib-291	T2	Н	H	H		1-pyrrolidinyl	B4	A67
Ib-292	T2	Н	Н	Н	•	H	B4	A5
Ib-293	T2	Н	Н	H		OMe	B4	A46
Ib-294	T2	H	NO_2	H	-	OMe	B4	A46
Ib-295	T2	Н	Н	Н	•	OBn	B4	A37
Ib-296	T2	Н	Н	Н		OMe	B4	A37
Ib-297	Т2	Н	Н	H	-	OCH ₂ CH=CMe ₂	B7	A42
Ib-298	T2	Н	Н	Н	•	OCH ₂ CH=CMe ₂	В7	A46
Ib-299	T2	Н	Н	H	•	OCH ₂ CH=CMe ₂	B7	A44
Ib-300	T2	Н	Н	H	-	OMe	B7	A37
Ib-301	T2	H	Н	H		NHCH2CH=CMe2	B7	A37
Ib-302	T2	H	Н	H		NH-i-Pr	B7	A37
Ib-303	T2	H_	Н	H	-	NHCH ₂ -cHex	B7	A37
Ib-304	T2	Н	Н	H	-	NHCH ₂ -3-Pyr	B7	A37
Ib-305	T2	Н	Н	H	•	NH-i-Pent	B7	A37
Ib-306	T2	H	H	H		NH-i-Bu	B7	A37
Ib-307	T2	H	Н	H	<u> </u>	NHCH ₂ -2-thienyl	B7	A37
Ib-308	T2	H	Н	H	-	$\mathrm{NHCH}_2 ext{-3-thienyl}$	B7	A37
Ib-309	T2	Н	Н	H	•	NHCH ₂ -2-furyl	B7	A37
Ib-310	T2	Н	Н	H	-	NHCH ₂ -3-furyl	B7	A37
Ib-311	T2	H	Н	H		NHCH ₂ -2-Py	B7	A37
Ib-312	T2	Н	Н	H		NH ₂	.B7	A37
Ib-313	T2	Н	Н	H		NHCH2CH=CMe2	B7	A42
Ib-314	T2	Н	H	H	-	NHCH2CH=CMe2	B7	A46
Ib-315	T2	H	Н	Н	-	SCH ₂ CH=CMe ₂	B7	A42
Ib-316	T2	Н	Н	H		SCH ₂ CH=CMe ₂	В7	A46
Ib-317	T2	Н	Н	Н	-	SCH ₂ CH=CMe ₂	B7	A111
Ib-318	T2_	Н	Н	Me	-	NHCH2CH=CMe2		A46
Ib-319	T2	Н	Me	Н	<u> </u>	NHCH2CH=CMe2	T	A46
Ib-320	T2	Me	H	H	<u> </u>	NHCH2CH=CMe2		A46
Ib-321	T2	H	H	H	<u> </u>	NHCH2CH=CMe2		A112
Ib-322	T2	H	H	H	<u></u>	NHCH2CH=CMe2	B8	A37

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Table 75

No.	W ₃ C)—	R12	R13	R14	Ris	X'-Y'	В	A
Ib-323	T2	H	Н	Н		OCH ₂ CH=CMe ₂	B8	A42
Ib-324	T2	Н	H	Н		OCH ₂ CH=CMe ₂	B8	A46
Ib-325	T2	Н	H	H	1 -	OCH ₂ CH=CMe ₂	B8	A51
Ib-326	T2	Н	H	Н	-	OCH ₂ CH=CMe ₂	B8	A52
Ib-327	T2	Н	Н	H	-	OCH ₂ CH=CMe ₂	B8	A89
Ib-328	T2	Н	Н	Н	-	OCH2CH=CMe2	B8	A54
Ib-329	T2	Н	H	H		OCH2CH=CMe2	B10	A42
Ib-330	T2	Н	H	Н		OCH2CH=CMe2	B10	A46
Ib-331	Т2	Н	H	Н	1 -	OCH2CH=CMe2	B10	
Ib-332	T2	Н	Н	Н	-	OCH2CH=CMe2	B10	
Ib-333	T2	Н	Н	Н	-	OCH2CH=CMe2	B10	A54
Ib-334	T2	Н	Н	H		OCH ₂ CH=CMe ₂	B10	A117
Ib-335	T2	Н	Н	H		OCH ₂ CH=CMe ₂	B10	
Ib-336	T2	H	H	Н		OCH2CH=CMe2	B10	A115
Ib-337	T 2	Н	Н	Н	-	OCH ₂ CH=CMe ₂		A116
Ib-338	T2	H	H	Н		OCH2CH=CMe2	B10	
Ib-339	T2	Н	Н	Н	-	OCH ₂ CH=CHMe	B10	A46
Ib-340	T2	H	H	Н	-	OCH2CH2CH=CH2	B10	A46
Ib-341	T2	H	Н	H	·	OCH ₂ CH=CHEt	B10	A46
Ib-342	T2	Н	H	H	-	$OCH_2C \equiv CMe$	B10	A46
Ib-343	T2	Н	H	Н	-	OCH ₂ -2-furyl	B10	A46
Ib-344	Т2	H	H	H	-	OCH ₂ -2-furyl	B10	A42
Ib-345	Т2	H	Н	Н	-	OCH ₂ CH ₂ F	B10	A46
Ib-346	T2	Н	H	Н	-	OCH ₂ CF ₃	B10	A46
Ib-347	T2	H	H	Н	-	OCH ₂ -2-furyl	B10	A117
Ib-348	T2	Н	H	Н	-	$OCH_2C \equiv CMe$	B10	A117
Ib-349	T2	H	H	H			B10	A46
Ib-350	T2	H	H	H	-		B10	A46
Ib-351	T2	H	H	Н	-		B12	A42
Ib-352	T2	H	H	Н	•		B12	A46
Ib-353	T2	H	H	H	<u> </u>		B12	A58
Ib-354	T2	H	H	H	•		B12	A48
Ib-355	T2	Н	H	Me			B12	A46
Ib-356	T2	Н	Me	H	-		B12	A46
Ib-357	T2	Me	Н	H	-	OCH ₂ CH=CMe ₂	B12	A46

Table 76

	No.	W3_C	R12	Ris	R14	R15	X'-Y'	В	A
	Ib-358	T2	Н	Н	H_	•	SMe	B12	A46
	Ib-359	T2	Н	H	Н			B12	
,	Ib-360	T2	Н	H	H	-	NH2	B12	
	Ib-361	T2	H	H	H	-	NHCH2CH=CMe2	B12	
	Ib-362	T2	H	H	H	•	NH-cHex	B12	A37
	Ib-363	T2	H	Н	H	-	OCH ₂ CH=CMe ₂	B13	A46
	Ib-364	T2	H	Н	H	•	OCH ₂ CH=CMe ₂	B13	A50
	Ib-365	T2.	Н	Н	H	•	OCH ₂ CH=CMe ₂	B17	A46
	Ib-366	T2	Н	Н	H	•	OCH ₂ CH=CMe ₂	B17	A44
	Ib-367	T2	Н	Н	Н	•	OCH ₂ CH=CMe ₂	B17	A50
	Ib-368	T2	Н	· H	Н		OCH ₂ CH=CMe ₂	B17	A94
	Ib-369	T2	Н	Н	Н	•	OCH ₂ CH=CMe ₂	B17	A86
	Ib-370	T2	Н	Н	Н	•	OCH ₂ -2-furyl	B17	A46
	Ib-371	T2	Н	Н	Н	•	OCH ₂ -2-furyl	B17	A44
	Ib-372	T2	Н	Н	Н	•	OCH ₂ -2-furyl	B17	A94
	Ib-373	T2	Н	Н	Н		OCH ₂ CH=CMe ₂	B23	A46
	Ib-374	T2	H	Н	Н	-	OCH ₂ -2-furyl	B23	A46
	Ib-375	T2	Н	Н	Н	-	OCH ₂ CH=CMe ₂	B28	A46
	Ib-376	T2	Н	Н	Н	•	OCH ₂ CH=CMe ₂	B28	A50
	Ib-377	T2	Н	Н	Н	-	OCH ₂ CH=CMe ₂	B29	A104
	Ib-378	T2	Н	H	Н	-	OCH2CH=CMe2	B29	A105
	Ib-379	T2	Н	Н	Н		OCH ₂ CH=CMe ₂	B29	
	Ib-380	T2	H	H	H	-	OCH2CH=CMe2		A106
	Ib-381	T2	H	H	H		OCH ₂ CH=CMe ₂		A46
	Ib-382	T2	Н	H	H	-	OCH ₂ -2-furyl	B30	
	Ib-383	T2	H	Н	H	•	$OCH_2C \equiv CMe$	B30	A46
	Ib-384	T4	H	C1		H		B4	A37
	Ib-385	T4	H	OMe		H	<u> </u>	B4	A37
	Ib-386	T4	Н	NMe ₂	•	Н	•	B4	A37
	Ib-387	T5	Н	-	H		Н	B4	A5
	Ib-388	T5	H	-	Н	-	H	1	A37
	lb-389	T5	H	-	H	-	NH ₂	B4	A5
	Ib-390	T5	H.		Н	-	NH ₂	B4	A37
	Ib-391	T5	Н	-	H	-	NHCH2CH=CMe2	B4	A5
	Ib-392	T5	Н	-	H		NHCH2CH=CMe2	B4	A37
	Ib-393	T5	H		H	•	NHCH2CH=CMe2	B4	A42
	Ib-394	T5	H	<u> </u>	H		NHCH2CH=CMe2	B4	A46

Table 77

							Т	
No.	w ₃ c>	R12	R13	R14	R15	X'-Y'	В	A
Ib-395	T5	H	-	H	-	NHCH2CH=CMe2	B4	A118
Ib-396	T5	H		H	-	OCH ₂ CH=CMe ₂	B4	A67
Ib-397	T5	H	-	Н	-	OCH ₂ CH=CMe ₂	B7	A46
Ib-398	T5	H		Н	-	NHCH2CH=CMe2	B7	A37
Ib-399	T5	H		H	-	NH ₂	B7	A37
Ib-400	T5	Н	-	H		NHCH2CH=CMe2	B12	A37
Ib-401	T6	-	Н	-	H	H	B4	A5
Ib-402	T6	-	H	-	H	H	B4	A37
Ib-403	T7	H	H	-		OCH ₂ CH=CMe ₂	B4	A46
Ib-404	T7	H	H	-		Cl	B4	A5
Ib-405	T7	H	H		-	OMe	B4	A5
Ib-406	T7	H	H	-	-	NMe ₂	B4	A5
Ib-407	T7	H	Н	-		Cl	B4	A37
Ib-408	T7	H	H	-	<u> </u>	OMe	B4	A37
Ib-409	T7	H	H	-	<u>.</u>	NMe ₂	B4	A37
Ib-410	T7	Н	Н	•		NH ₂	В4	A5
Ib-411	Т7	Н	Н	•	-	NH ₂	B4	A37
Ib-412	T 7	H	H		-	NHCH2CH=CMe2	B4	A5
Ib-413	T7	H	H	•	-	NHCH2CH=CMe2	B4	A37
Ib-414	T7	H	H	-	-	NHCH2CH=CMe2	B4	A42
Ib-415	T7	H	H			NHCH2CH=CMe2	B4	A46
Ib-416	T7	H	H	:	ļ <u></u>	NHCH2CH=CMe2	B4	A118
Ib-417	T7	H	H	<u>.</u>	-	NH ₂	B7	A37
Ib-418	T7	H	H	-	-	NHCH2CH=CMe2	B7	A37
Ib-419	<u>T7</u>	Н	Н	-	•	$OCH_2CH=CMe_2$	B7	A46
Ib-420	T7	H	Н		•	NHCH2CH=CMe2	B12	A37
Ib-421	T8	H_	- 1	•	H	H	B4	A5
Ib-422	T8	H		-	H	H	B4	A37
Ib-423	T8	Н	•	_	H	NH ₂	B4	A5
Ib-424		H		-	H	NH ₂	B4	A37
Ib-425	T8	Н	-		Н	NH-cHex	B4	A5
Ib-426	T8	H	-	-	H	NH-cHex	B4	A37
Ib-427		H	-	•	Н	NHCH2CH=CMe2	B4	A5
Ib-428	T8	H	-	•	H	NHCH2CH=CMe2	B4	A37
Ib-429	T8	H		-	H	NHCH2CH=CMe2	B4	A46
Ib-430	T8	H			H	NHCH2CH=CMe2	B4	A118
Ib-431	T8	H	-		H	OCH ₂ CH=CMe ₂	B7	A46
Ib-432	T8	H	•	•	H	NH ₂	B7	A37

Table 78

No.	₩3_C	R12	R13	R14	R15	X'-Y'	В	A
Ib-433	Т8	Н	-		H	NHCH2CH=CMe2	B7	A37
Ib-434	T8	Н	•		H	NHCH2CH=CMe2	B7	A42
Ib-435	T8	Н			H	NHCH2CH=CMe2	B7	A46
Ib-436		Н			H	NHCH2CH=CMe2	B12	A37
Ib-437	T12	Н	Н	H	<u> </u>	<u> </u>	B4	A64
Ib-438	T12	H	Н	H	<u> </u>		B4	A80
Ib-439	T12	Н	Н	Н			B4	A81
Ib-440		Н	Н	H	-	_	B4	A67
Ib-441		H	H	H	T -		B7	A37
Ib-442		Н	Н	•	1 -	_	B7	A37
Ib-443		-	Н	H	T -	-	B7	A37
Ib-444	T2	Н	Н	H	T -	OCH2CH=CMe2	B6	A46
Ib-445		Н	Н	H	-	OCH2CH=CMe2	B11	A46
Ib-446		Н	Н	Н	T-	OCH ₂ CH=CMe ₂	B14	A46
Ib-447		H	Н	Н	-	OCH ₂ CH=CMe ₂	B15	A46
Ib-448		H	Н	H	T -	OCH ₂ CH=CMe ₂	B16	A46
Ib-449		Н	H	H	-	OCH ₂ CH=CMe ₂	B18	A46
Ib-450		Н	Н	Н	-	OCH2CH=CMe2	B19	A46
Ib-451		Н	H	H	_	OCH ₂ CH=CMe ₂	B20	A46
Ib-452		H	H	H	-	OCH2CH=CMe2	B21	A46
Ib-453		H	Н	H	-	OCH2CH=CMe2	B22	A46
Ib-454		H	Н	Н	1 -	OCH2CH=CMe2	B23	A46
Ib-455		Н	H	Н	-	OCH ₂ CH=CMe ₂	B24	A46
Ib-456		Н	Н	Н	 -	OCH ₂ CH=CMe ₂	B25	A46
Ib-457		Н	Н	Н	-	OCH2CH=CMe2	B26	A46
Ib-458		Н	Н	Н	_	OCH ₂ CH=CMe ₂	B27	A46
Ib-459		Н	Н	Н	-	OCH2CH=CMe2	B28	A46
Ib-460		Н	Н	Н	1-	OCH2CH=CMe2	B29	A46
Ib-461	T2	H	. Н	Н	-	OCH2CH=CMe2	B30	A46
Ib-462		Н	Н	Н	-	OCH2CH=CMe2	B31	A46
Ib-463	 	H	Н	Н	1-	OCH2CH=CMe2	B32	A46
Ib-464		H	Н	Н	_	OCH2CH=CMe2	B33	A46
Ib-465		Н	Н	Н	-	OCH2CH=CMe2	B34	A46
Ib-466	 	H	Н	H	1-	OCH2CH=CMe2	B35	A46
Ib-467		H	Н	Н	1-	OCH2CH=CMe2	B36	A46
Ib-468		H	Н	H	1-	OCH2CH=CMe2	B37	A46
Ib-469		H	H	H	+_	OCH2CH=CMe2		A46

Table 79

No.	w ₃ c)	R12	Ris	R14	Rı 5	X'-Y'	В	A
Ib-470	T2	Н	H	H	-	OCH2CH=CMe2	B39	A46
Ib-471	T2	Н	H	H	-	OCH2CH=CMe2	B40	A46
Ib-472	T2	Н	H	Н	-	OCH2CH=CMe2	B41	A46
Ib-473	T2	Н	H	Н	_	OCH2CH=CMe2	B42	A46
Ib-474	T2	Н	H	Н	_	OCH2CH=CMe2	B43	A46
Ib-475	T2	Н	Н	Н	_	NHCH2CH=CMe2	B4	A2
Ib-476	T2	Н	H	Н	-	NHCH2CH=CMe2	B4	AЗ
Ib-477	T2	H	H	Н	-	NHCH2CH=CMe2	B4	A4
Ib-478	T2	Н	H	Н	_	NHCH2CH=CMe2	B4	A7
Ib-479	T2	Н	H	Н	_	NHCH2CH=CMe2	B4	A9
Ib-480	T2	H	H	Н	-	NHCH2CH=CMe2	B4	A10
Ib-481	T2	Н	H	H	-	NHCH2CH=CMe2	B4	A12
Ib-482	T2	Н	Н	H	-	NHCH2CH=CMe2	B4	A13
Ib-483	T2	Н	H	Н	_	NHCH2CH=CMe2	B4	A14
Ib-484	T2	Н	H	Н	_	NHCH2CH=CMe2	B4	A15
Ib-485	T2	H	Н	Н	_	NHCH2CH=CMe2	B4	A16
Ib-486	T2	Н	H	H	1	NHCH2CH=CMe2	B4	A17
Ib-487	T2	Н	H .	Н	1	NHCH2CH=CMe2	B4	A18
Ib-488	T2	Н	H	Н	_	NHCH2CH=CMe2	B4	A19
Ib-489	T2	H	H	Н	-	NHCH2CH=CMe2	B4	A20
Ib-490	T2	H	H	Н	_	NHCH2CH=CMe2	B4	A21
Ib-491	T2	Н	H	Н	_	NHCH2CH=CMe2	B4	A22
Ib-492	T2	H	H	Н	_	NHCH2CH=CMe2	B4	A23
Ib-493	T2	H	H	Н	_	NHCH2CH=CMe2	B4	A24
Ib-494	T2_	Н	H	Н	-	NHCH2CH=CMe2	B4	A25
Ib-495	T2	H	H	Н	_	NHCH2CH=CMe2	B4	A26
Ib-496	T2	Н	Н	Н		NHCH2CH=CMe2	B4	A27
Ib-497	T2	Н	H	Н	_	NHCH2CH=CMe2	B4	A28
Ib-498	T2	H	H	H	_	NHCH2CH=CMe2	B4	A29
Ib-499	T2	Н	H	Н	_	NHCH2CH=CMe2	B4	A30
Ib-500	T2	Н	Н	Н	_	NHCH2CH=CMe2	B4	A31
Ib-501	T2	H	H	H		NHCH2CH=CMe2	B4	A34
Ib-502	T2	H	H	H	_	NHCH2CH=CMe2	B4	A36
Ib-503	Т2	H	H	H	_	NHCH2CH=CMe2	B4	A39
Ib-504	T 2	Н	H	H	_	NHCH2CH=CMe2	B4	A40
Ib-505	Т2	H-	H	Н	_	OCH ₂ CH=CMe ₂	B4	A56
Ib-506	T2	H	H	H	_	OCH2CH=CMe2	B4	A70
Ib-507	T2	Н	H	H	_	OCH2CH=CMe2	B4	A87
Ib-508	T2	Н	H	Н	_	OCH ₂ CH=CMe ₂	B4	A88
Ib-509	T2	H	H	H		OCH ₂ CH=CMe ₂	B4	A89

Table 80

No.	√3 C }—	R12	R13	R14	R15	X'-Y'	В	A
Ib-510	T2	Н	Н	Н	_	OCH2CH=CMe2	B4	A90
Ib-511	T2	Н	Н	Н	-	OCH2CH=CMe2	B4	A91
Ib-512	T2	Н	Н	H	_	OCH2CH=CMe2	B4	A92
Ib-513	T2	Н	Н	Н	_	OCH2CH=CMe2	B4	A93
Ib-514	T2	Н	Н	Н	_	OCH2CH=CMe2	B4	A94
Ib-515	T2	Н	Н	Н	-	OCH2CH=CMe2	B4	A95
Ib-516	T2	Н	Н	Н	-	OCH2CH=CMe2	B4	A96
Ib-517	T2	Н	Н	Н	_	OCH2CH=CMe2	B4	A97
Ib-518	T2	Н	Н	Н	-	OCH2CH=CMe2	B4	A98
Ib-519	T2	Н	H	H	_	OCH2CH=CMe2	B4	A99
Ib-520	T2	Н	Н	Н	-	OCH2CH=CMe2	B4	A100
Ib-521	T2	Н	Н	Н	_	OCH2CH=CMe2	B4	A101
Ib-522	T2	Н	Н	Н	T	OCH2CH=CMe2	B4	A102
Ib-523	T2	H	H	Н	T	NHCH2CH=CMe2	B4	A103
Ib-524	T2	Н	Н	H	_	OCH2CH=CMe2	B4	A104
Ib-525	T2	H	H	Н	-	OCH2CH=CMe2	B4	A105
Ib-526	T 2	H	Н	Н	-	OCH2CH=CMe2	B4	A106
Ib-527	T2	Н	H	Н	-	NHCH2CH=CMe2	B4	A107
Ib-528	T2	Н	Н	.H	—	NHCH2CH=CMe2	B4	A108
Ib-529	T2	Н	H	Н	_	NHCH2CH=CMe2	B4	A109
Ib-530	T2	Н	Н	Н		NHCH2CH=CMe2	B4	A110
Ib-531	T2	H	Н	H_		OCH ₂ CH=CMe ₂	B4	A111
Ib-532	T2	Н	Н	H	_	OCH2CH=CMe2	B4	A112
Ib-533	T2	Н	H	H		OCH ₂ CH=CMe ₂	B4	A113
Ib-534	T2	H	Н	H		OCH ₂ CH=CMe ₂	B4	A114
Ib-535	T2	Н	H	Н		OCH ₂ CH=CMe ₂	B4	A115
Ib-536	T2	Н	H	H		OCH2CH=CMe2	B4	A116
Ib-537	T2	Н	Н	Н	_	OCH2CH=CMe2	B4	A117
Ib-538	T2	H	Н	H		OCH2CH=CMe2	B4	A118
Ib-539	T2	Н	H	H		OCH2CH=CMe2	B4	A119
Ib-540	T2	Н	H	H	_	OCH2CH=CMe2	B4	A120
Ib-541	T2	H	H	Н	_	OCH ₂ CH=CMe ₂	B4	A121
Ib-542	T2	H	Н	Н		OCH2CH=CMe2	B4	A122
Ib-543		H	H	Н		OCH2CH=CMe2	B4	A123
Ib-544	 	H	Н	Н	_	OCH2CH=CMe2	B4	A124
Ib-545		H	H	H		OCH ₂ CH=CMe ₂	B4	A125
Ib-546		Н	H	Н	_	OCH2CH=CMe2	B4	A126

Table 81

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able of								
No.	W ₃ C	R12	R13	R14	Ris	X'-Y'	В	A
Ib-547	T2	H	Н	H	-	OCH ₂ CH=CMe ₂	B4	A127
Ib-548	T2	Н	Н	Н		OCH ₂ CH=CMe ₂	Bı	A120
Ib-549	T2	Н	Н	Н	-	OCH ₂ CH=CMe ₂	B1	A122
Ib-550	Т2	Н	H	Н	-	OCH ₂ CH=CMe ₂	B1	A124
Ib-551	T2	Н	Н	Н	-	OCH ₂ CH=CMe ₂	B1	A126
Ib-552	T2	Н	Н	Н		OCH ₂ -2-furyl	B10	A128
Ib-553	T2	Н	Н	Н		OCH ₂ -2-furyl	B10	A129
Ib-554	T2	Н	Н	Н	-	OCH ₂ -2-furyl	B10	A130
Ib-555	T2	Н	Н	Н	-	OCH ₂ -2-furyl	B10	A131
11 55C	TO	7.7	u	и		_N_CH ₂ CH=CMe ₂	B12	A132
Ib-556	T2	H	H	H	-	`COOCH2OCO(CH2)2COOH	D12	A152
Ib-557	Т2	Н	н	Н	_	-N-CH ₂ CH=CMe ₂	B12	A133
10.00.						COOCH(Me)OCOMe		
Ib-558	T2	н	н	Н	-	-NCH2CH=CMe2	B12	A134
						`COOCH ₂ OCO(CH ₂) ₁₄ Me —N, CH ₂ CH=CMe ₂		
Ib-559	Т2	н	н	Н	_	-N CH VIACO C A	B12	A135
10 550		^^				`CH2NHCO-C5H. -0-OCH2OCOMe		
Ib-560	T5	Н	-	H	-	OCH ₂ CH=CMe ₂	B4	A121
Ib-561	Т5	Н	-	H	-	OCH ₂ CH=CMe ₂	B4	A123
Ib-562	Т5	Н	-	Н	-	OCH ₂ CH=CMe ₂	B4	A125
Ib-563	Т5	Н	-	Н	-	OCH ₂ CH=CMe ₂	B4	A127
Ib-564	T2	Н	Н	H	-	OCH ₂ CH=CMe ₂	B4	A136
Ib-565	T2	Н	H	Н	-	OCH ₂ CH=CMe ₂	B4	A137
Ib-566	T2	Н	Н	Н	- .	OCH ₂ CH=CMe ₂	B4	A138
Ib-567	T2	H	Н	Н		OCH ₂ CH=CMe ₂	B4	A139
Ib-568	T2 ·	Н	Н	Н		OCH ₂ CH=CMe ₂	B4	A140
Ib-569	T2	Н	Н	Н	-	OCH ₂ CH=CMe ₂	B4	A141
Ib-570	T2	Н	Н	Н		OCH ₂ CH=CMe ₂	B4	A142
Ib-571	Т2	Н	Н	Н	-	OCH ₂ CH=CMe ₂	B4	A143
71 5 5 5	ma.	7.7	77	7.7		-N-CH2CH=CMe2	Dia	4.70
Ib-572	T2	H	H	Н		COOCH 2OCOCH 2OH	B12	A78
Ib-573	T 2	Н	Н	Н		-N - 1 - 2 - 1 - 2 - 1 - 2	B12	A78
10.913	14.	11	-11	**		COOCH 2 OCO (CH 2) 2 COOCH	-110	0
Ib-574	T2	н	н	Н	.	-NCH2CH=CMe2	B12	A78
						COOCH2OCOMe -NCH2CH=CM e2		
Ib-575	T2	H	H	Н	.	COOCH(M e)OCOCM e ₃	B12	A78
					1	COOCH (M e) OCOCM e3		

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Table 82

Y-X — X-Y (C-V²·B-A)

		Ic'		
No.	V 2	C	В	A
Ic-1	0	C2	B4	A32
Ic-2	0	C2	B4	A35
Ic-3	0	C3_	B4	A6
Ic-4	0	C3	B4	A8
Ic-5	0	C3	B4	A11
Ic-6	0	C3	B4	A33
Ic-7	0	C3	B4	A35
Ic-8	0	C5	B4	A11
Ic-9	0	C5	B4	A35
Ic-10	0	C6	B1	A35
Ic-11	0	C6	B1	A37
Ic-12	0	C6	B4	All
Ic-13	0	C6	B4	A32
Ic-14	0	C6_	B4	A35
Ic-15	0	C19	B4	A35
Ic-16	0	C25	> B4	A41
Ic-17	0	C26	B4	A41
Ic-18	0	C27	B4	A41
Ic-19	0	C28	B4	A41
Ic-20	0	C29_	B4	A41
Ic-21	NH	C2	B4	A32
Ic-22	NH	. C2	B4	A35
Ic-23	OCH ₂	C2	B4	A32
Ic-24	OCH ₂	C2	B4	A33

V2

No.

Ic-49

CH(OH)

Table 83

	c	7		
•	-	•		

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Table 84

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OCH₂ Ic-25 C2 **B**4 A35 Ic-26 OCH₂ C6 **B**4 A35 Ic-27 OCH₂ C19 B4 A35 Ic-28 CH₂O C2Bı A32 Ic-29 CH₂O C2 B1 A35 C2 Ic-30 CH₂O**B**4 A35 Ic-31 CH₂O C3 B1 A33 СЗ CH₂O Ic-32 В4 A33 Ic-33 NHCH₂ C2 B4 A35 Ic-34 NHCH₂ C6 B4 A35 CH=CH C2B4Ic-35 A32 C2Ic-36 CH=CH B4 A33 CH=CH C2 B4 Ic-37 A35 C3 Ic-38 CH=CH B4 A33 Ic-39 CH=CH C6 B4 A32 CH=CH Ic-40 C6 **B**4 A35 Ic-41 CH=CH C19 **B4** A35 Ic-42 C=C C2**B4** A32 Ic-43 C=C C2 **B4** A35 Ic-44 C = CC3 B4 A35 Ic-45 C-CC19 **B4** A35 Ic-46 CO C2 B4 A32 Ic-47 CO C2 **B**4 A35 Ic-48 CH(OH) C2 **B**4 A32

С

В

C2

B4

A35

No.	V2	С	-√B W ² -	R ^s	Rª	R10	А
Ie-1	0	C6	S1	Н	Н	H	A6
le-2	0	C6	S1	H	Н	Н	A8
Ie-3	0	C6	S1	Н	Н	H	A32
Ie-4	0	C9	S1	Н	H	H	A6
Ie-5	0	C9	S1	H	H	Н	A8
Ie-6	0	C9	S1	H	H	H	A14
Ie-7	0	C9	S1	H	H	Н	A17
Ie-8	0	C9	S1	Н	H	Н	A32
Ie-9	0	C9	S1	Н	H	Н	A33
Ie-10	0	C6	S1	H	Me	Me	A32

R10

Me

OMe

 OMe

OMe

Me

Α

A35

A6

A8

A14

A17

A32

Α8

A14

A17

A32

A33

Α6

Α8

A32

A33

A6

A8

A14

A17

A32

A8

A14

A17

A32

A33

Α6

A8

A14

 $\frac{A17}{A32}$

A33

Table 85

5		No.	V ²	С	—————————————————————————————————————	Rs	R9
		Te-11	0	C6	S1	Н	Me
		Ie-12	0	C1	S3	Me	
		Ie-13	0	C1	S3	Me	-
10		Ie-14	0	Cl	S3	Me	_
	Ì	Ie-15	0	C1	S3	Me	_
		Ie-16	0	Cl	S3	Me	_
		Īe-17	0	C4	S3	Me	_
15	Í	Ie-18	0	C4	S3	Me	
		Ie-19	0	C4	S3	Me	
		Ie-20	0	C4	S3	Me	1
		Ie-21	0	C4	S3	Me	_
20		Ie-22	0	C9	S3	Me	_
		Ie-23	0	C9	S 3	Me	1
		Ie-24	0	C9	S3	Me	
		Ie-25	0	C9	S3	Me	_
25		Ie-26	NH	Cl	S3	Me	-
		Ie-27	ИН	C1	S3	Me	1
		Ie-28	NH	C1	\$3	Me	-
		Ie-29	NH	C1	S3	Me	-
30		Ie-30	NH	C1	S3	Me	
		Ie-31	NH	C4	S3	Me	_
		Ie-32	NH	C4	S3	Me	
		le-33	NH	C4	S3	Me	
35		Ie-34	NH	C4	S3	Me	
		Ie-35	NH	C4	S3	Me	
		Ie-36	ИН	C9	S3	Me	
		Ie-37	NH	C9	S3	Me	
40		Ie-38	NH	C9	S3	Me	
		Ie-39	NH	C9	S3	Me	
		Ie-40	NH	C9	S3	Me	
					60	1 34.	1

Ie-41 NH

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Table 86

	11					
No.	W ₃ C	₩ ² B	R8	Ra	R10	A
If-1	morpholino	S1	Н	Н	Н	A6
If-2	morpholino	S1	H	H	H	A8
If-3	morpholino	S1	H	H	H	A32
If-4	morpholino	S1	H	H	H	A33
If-5	morpholino	S1_	H	Me	Me	A6
If-6	morpholino	S1	H	Me	Me	A8
If-7	morpholino	S1	H	Me	Me	A32
If-8	morpholino	S1	H	Me	Me	A33
If-9	morpholino	S3	Me		OMe	A6
If-10	morpholino	S3	Me		OMe	A8
If-11	morpholino	S3	Me	_	OMe	A32
If-12	morpholino	S3	Me		OMe	A33
If-13	4-Me-piperazinyl	S3	Me	÷ —	OMe	A6
If-14	4-Me-piperazinyl	S3	Me	_	OMe	A8
If-15	4-Me-piperazinyl	S3	Me	—	OMe	A32
If-16	4-Me-piperazinyl	S3	Me	_	OMe	A33
If-17	4-Ph-piperazinyl	S3	Me	_	OMe	A6
If-18	4-Ph-piperazinyl	S3	Me	_	OMe	A8
If-19	4-Ph-piperazinyl	S3	Me	_	OMe	A32
If-20	4-Ph-piperazinyl	S3	Me	_	OMe	A33
If-21	1-imidazolyl	S3	Me	_	OMe	A6
If-22	1-imidazolyl	S3	Me	_	OMe	A8
If-23	1-imidazolyl	S3	Me	_	OMe	A32
If-24	1-imidazolyl	S3	Me	_	OMe	A33
If-25	1-triazolyl	S3	Me	-	OMe	A6
If-26	1-triazolyl	S 3	Me	_	OMe	A8
If-27	1-triazolyl	\$3	Me	_	OMe	A32
If-28	1-triazolyl	S3	Me	_	OMe	A33
If-29	2-prenyloxypyridin- 5-yl	S1	Н	Me	Me	A46
If-30	2-prenyloxypyridin- 5-yl	S1	Н	Me	Me	A42

Table 87

5	

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1	5	

	۲۰۰۲' X	$\overline{NH_2}$	NHCH2CH=CMe2	2 HN	OCII2CH=CMe2 NIICII2CH=CMe2	NHCH2CH=CMc2 NHCH2CH=CMc2	NHCH2CH=CMc2 NHCH2CH=CMe2	₹ NH ³	NIICII2CH=CMe2	2 NH $_2$	NIICH2CH=CMe2	2 NH $_{2}$	NHCH2CH=CMe2	2 HN	NIICII2CII=CMe2	NHCH2CH=CMe2 NHCH2CH=CMe2	NHCH2CII=CMe2 NHCH2CH=CMe2	NH_2	NHCH2CH=CMc2	NH2	OCH OCH = CMe ONH CH OCH = CMe 9
N N S	γ.х	OCII2CII=CMe2	OCH2CH=CMo2	OCH2CH=CMe2	OCH2CH=CMe2	NHCH2CH=CMe2	NHCH2CH=CMc2	OCH2CH=CMe2	OCH2CH=CMe2	OCH2CH=CMe2	OCH2CH=CMe2	OCH2CH=CMe2	OCH2CH=CMe2	OCH2CH=CMe2	OCII2CH=CMe2	NHCH2CH=CMe2	NHCH2CII=CMe2	OCH2CH=CMe2	OCH2CH=CMe2	OCH2CH=CMe2	OCH CH=CMe9
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	R12	王	F	Ŧ	=	≖	=	Н	王	Ξ	Ξ	H	H	Η	Ξ	三	Ξ	H	Ξ	H	H
H ⁹ A X X Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y		T2	T2	T2	T2	Т2	T-2	T5	T5	T.8	1.8	T2	4.2	4.2	7.	T-2	2 J	ጥ	. Т5	8.L	11.8
(4)	=	13.7	137	B12	B12	B7	1312	B12	1112	1312	1312	137	13.7	B12	B12	13.7	B12	1312	1312	1312	B12
	R.1	=	=	王	I	Ξ	H	H	=	=	=	1	1	1	1	1	1	1	1	1	1
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Y-X-(C)	F.3.	王	Ξ	Ξ	Ξ	Н	H	I	H	H	H	=	H	=	Ξ	Ξ	Ξ	Н	Н	H	Н
××	2	=	=	Ξ	I	田	=	=	Ξ	=	Ξ	=	Ξ	H	Ξ	Ŧ	Ξ	11	Н	11	H
	A N	III	ιņ	I.U	U	I N	U.I	UI	Νı	U1	I N	U2	U2	U2	U2	N2	U2	U.S	U2	N2	112
	No.	1-3	-21 -25 -26	20 30	6.4	6.5	9-8	[B-7]	8-91	0-91	g-10	g-11	g-12	g-13	g-14	8-15	g-16	g.17	g-18	g-19	0.50

Table 88

No.	mp. ¹H-NMR
Ia-2	195-197 °C, 1H-NMR (CDCl3-DMSO-ds) δ 1.77 (3H, s), 1.82 (3H, s), 4.63
	(2H, J = 6.8), 5.52 (1H, br t, J = 6.8), 6.25 (1H, s), 6.93-6.98 (3H, m), 7.10
	(1H, dd, J = 2.2, 8.3), 7.20 (1H, d, J = 2.2), 7.69 (1H, d, J = 8.1), 7.85 (1H)
	dd, J = 2.0, 8.1), 7.89 (2H, d, J = 8.8), 8.53 (1H, br s), 8.82 (1H, d, J = 2.0
Ia-4	181-182 °C, 'H-NMR (CDCl ₃) δ 3.18 (3H, s), 5.19 (2H, s), 5,78 (1H, s), 7.04
	(1H, d, J = 8.3), 7.12 (1H, dd, $J = 2.2, 8.3), 7.25$ (1H, d. $J = 2.2), 7.38-7.48$
	(7H, m), 7.76 (1H, br d, J = 8.3), 7.92 (1H, dd, J = 2.4, 8.3), 8.88 (1H, br d
	J=2.4)
Ia-5	171-172 °C, ¹H-NMR (CDCl ₃) δ 3.40 (3H.s), 3.43 (3H.s), 5.29 (2H, s)
	7.36-7.53 (8H, m), 7.78-7.81 (2H, m), 8.09 (1H, d, J = 8.3), 8.21 (1H, dd, e
	= 2.2, 8.3), 8.25 (2H. d, J = 8.8), 9.02 (1H, br s)
Ia-6	165-166 °C, ¹H-NMR (CDCl ₃) δ 1.77 (3H, s), 1.82 (3H, s), 3.18 (3H, s), 3.29
	(3H, s), 4.65 (2H, d, J = 6.8), 5.50 (1H, br t, J = 6.8), 7.13 (1H, d, J = 8.5)
	[7.42 (2H, d, J = 8.8), 7.53 (1H, dd, J = 2.2, 8.5), 7.58 (1H, d, J = 2.2), 7.77 (2H, d, J = 8.8)]
	(1H, dd, J = 0.7, 8.3), 7.92 $(1H, dd, J = 2.2, 8.3), 8.10$ $(2H, d, J = 8.8), 8.88$
	(1H, dd, J = 0.7, 2.2)
Ia-8	176-177 °C, ¹ H-NMR (CDCl ₅) δ 3.87 (3H, s), 5.18 (2H, s), 5.77 (1H, s), 7.01
	(2H, d, J = 9.0), 7.02 (1H, d, J = 8.6), 7.11 (1H, dd, J = 2.2, 8.6), 7.24 (1H)
	d, J = 2.2), 7.40-7.45 (5H, m), 7.71 (1H, dd, J = 1.0, 8.3), 7.86 (1H, dd, J =
	[2.4, 8.3), 7.99 (2H, d, J = 9.0), 8.84 (1H, dd, J = 1.0, 2.4)
Ia-9	187-188 °C, 'H-NMR (CDCl ₃) δ 3.13 (3H, s), 3.88 (3H, s), 5.19 (2H, s), 7.02
	(2H, d, J = 8.8), 7.17 (1H, d, J = 8.6), 7.37-7.49 (5H, m), 7.51 (1H, dd, J =
	2.2, 8.6), 7.59 (1H. d. J = 2.2). 7.73 (1H, br d, J = 8.3), 7.86 (1H, dd, J =
	2.4.8.3), 8.00 (2H, d, $J = 8.8$), 8.83 (1H, br d, $J = 2.4$)
Ia-10	141-142 °C, 'H-NMR (CDCl ₃) δ 1.77 (3H, s), 1.82 (3H, s), 3.88 (3H, s), 4.63
	(2H, d, J = 6.8), 5.52 (1H, br t, J = 6.8), 5.79 (1H, s), 6.97 (1H, d, J = 8.3)
	7.02 (2H, d, J = 9.0), 7.11 (1H, dd, J = 2.2, 8.3), 7.21 (1H, d, J = 2.2), 7.71
	(1H, dd, J = 0.7, 8.3), 7.86 (1H, dd, J = 2.4, 8.3), 7.99 (2H, d, J = 9.0), 8.85
	(1H. dd. J = 0.7, 2.4)
Ia-11	161-162 °C, ¹H-NMR (CDCl ₃) δ 1.77 (3H, s), 1.82 (3H, s), 3.24 (3H, s), 3.88
	(3H, s), 4.65 (2H, d, J = 6.8), 5.50 (1H, br t, J = 6.8), 7.02 (2H, d, J = 9.0),
	7.11 (1H, d, $J = 8.5$), 7.52 (1H, dd, $J = 2.4$, 8.5), 7.57 (1H, d, $J = 2.4$), 7.73
	(1H, dd, J = 0.7, 8.3), 7.86 (1H, dd, J = 2.4, 8.3), 8.00 (2H, d, J = 9.0), 8.83
	(1H, dd, J = 0.7, 2.4)
Ia-12	233-236 °C, 'H-NMR (CDCl ₃) & 3.13 (3H, s), 3.14 (3H, s), 5.20 (2H, s), 5.21
	(2H, s), 7.17 (2H, dd, $J = 1.7$, 8.3), 7.36-7.54 (11H, m), 7.59 (1H, d, $J = 1.7$)
	[2.4), 7.73 (1H, d. $J = 8.3$), 7.78 (1H, dd, $J = 2.4$, 8.3), 7.98-8.02 (2H, m),
	8.84 (1H, d. J = 2.5)
Ia-13	150-151 °C, ¹ H-NMR (CDCl ₃) δ 1.77 (3H, s), 1.82 (6H, s), 4.63 (4H, d. J
•	=6.8), 5.52 (2H, br t, $J = 6.8$), 5.73 (1H, s), 5.78 (1H, s), 6.97 (2H, d, $J = 6.8$)
	[8.3), 7.10 (1H, dd, $J = 2.2$, 8.3), 7.21 (1H, d, $J = 2.2$), 7.57 (1H, dd, $J = 2.2$,
	[8.3), 7.60 (1H, d. $J = 2.2$), 7.69 (1H, br d. $J = 8.3$), 7.85 (1H, dd, $J = 2.4$,
	8.3). 8.84 (1H. br d. J = 2.4)
Ia-15	172-173 °C, 'H-NMR (CDCl ₃) δ 5.11 (1H,s), 5.17 (2H.s), 5.75 (1H,s), 6.93
	(2H, d, J = 8.5), 6.95-7.03 (2H, m), 7.11 (1H, d, J = 2.0), 7.38-7.45 (5H, m),
	7.62 (1H. d. J = 8.1), 7.67 (1H. d. J = 8.1), 7.96 (2H. d. J = 8.5)

Table 89

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5	Ia-16	159-161 °C, ¹H-NMR (CDCl ₃) & 1.77 (3H, s), 1.83 (3H, s), 4.63 (2H, d, J=6.8), 5.02 (1H, s), 5.52 (1h, br t, J=6.8), 5.75 (1H, s), 6.92 (2H, d, J=8.5), 6.94 (1H, d, J=8.3), 6.97 (1H, dd, J=2.2, 8.3), 7.08 (1H, d, J=2.2), 7.62 (1H, d, J=8.1), 7.66 (1H, d, J=8.1), 7.95 (2H, d, J=8.5)
10	Ia-17	134-134.5 °C, ¹H-NMR (CDCl ₃) δ 3.13 (3H, s), 3.18 (3H, s), 5.20 (2H, s), 7.16 (1H, d, J = 8.5), 7.37-7.50 (9H, m), 7.71 and 7.74 (each 1H, ABq, J = 8.1). 8.10 (2H, d. J = 8.8) 99-100 °C, ¹H-NMR (CDCl ₃) δ 1.77 (3H, s), 1.82 (3H, s), 3.19 (3H, s), 3.24
		(3H, s), 4.66 (2H, d, J= 6.8), 5.51 (1h, br t, J = 6.8), 7.10 (1H, d, J = 8.5), 7.38-7.48 (4H, m), 7.71 and 7.74 (each 1H, ABq, J = 8.1), 8.10 (2H, d, J = 8.8)
15	Ia-21	215-216 °C, ¹H-NMR (CDCl ₃ -DMSO-d ₈) 8 1.77 (3H, s), 1.82 (3H, s), 2.35 (3H, s), 4.63 (2H, d, J = 6.8), 5.54 (1H, br t, J = 6.8), 6.51 (1H, s), 6.79 (1H, dd, J = 2.2, 8.1), 6.93-6.96 (4H, m), 7.52 (1H, s), 7.87 (2H, d, J = 8.8), 8.43 (1H, s), 8.79 (1H, s)
20	Ia-22	203-204 °C, ¹H-NMR (CDCls) δ 1.76 (3H, s), 1.80 (3H, s), 2.37 (3H, s), 3.89 (3H, s), 4.64 (2H, d, J = 6.8), 5.56 (1H, br t, J = 6.8), 6.20 (1H, br s), 6.86-6.89 (2H, m), 6.89 (2H, d, J = 8.8), 6.97 (1H, d, J = 8.5), 7.55 (1H, s),
25	Ia-23	7.88 (2H, d, J = 8.8), 8.48 (1H, s) 140-141 °C, 'H-NMR (CDCl ₃) & 2.39 (3H, s), 3.17 (3H, s), 5.18 (2H, s), 5.78 (1H, s), 6.83 (1H, dd, J = 2.2, 8.3), 6.98 (1H, d, J = 2.2), 7.03 (1H, d, J = 8.3), 7.40 (2H, d, J = 8.8), 7.41-7.47 (5H, m), 7.59 (1H, s), 8.07 (2H, d, J = 8.8)
	Ia-24	8.8), 8.50 (1H. s) 156-157 °C, ¹H-NMR (CDCl ₃) & 2.39 (3H, s), 3.13 (3H, s), 3.18 (3H, s), 5.20 (2H, s), 7.18 (1H, d, J = 8.5), 7.26 (1H, dd, J = 2.0, 8.5), 7.36-7.49 (8H, m), 7.61 (1H, s), 8.07 (2H, d, J = 90.), 8.50 (1H. s)
30	Ia-25	111-112 °C, ¹H-NMR (CDCl ₃) δ 1.78 (3H, s), 1.83 (3H, s), 2.39 (3H, s), 3.18 (3H, s), 3.24 (3H, s), 4.65 (2H, d, $J = 6.8$), 5.51 (1H, br t, $J = 6.8$), 7.11 (1H, d, $J = 8.5$), 7.26 (1H, dd, $J = 2.2$, 8.5), 7.34 (1H, d, $J = 2.2$). 7.40 (2H, d, $J = 2.2$)
35	Ia-26	8.8), 7.60 (1H, s), 8.07 (2H, d, J = 8.8), 8.50 (1H, s) 124-127 °C, ¹H-NMR (CDCl ₃) δ 1.77 (3H, s), 1.80 (3H, s), 2.39 (3H, s), 3.18 (3H, s), 3.90 (3H, s), 4.65 (2H, d, J = 6.8), 5.57 (1H, br t, J = 6.8), 6.87-6.91 (2H, m), 6.98 (1H, d, J = 8.3), 7.40 (2H, d, J = 8.8), 7.60 (1H, s), 8.08 (2H, d, J = 8.8), 8.53 (1H, s)
40	Ia-27	213-214 °C, ¹H-NMR (CDCl ₃) δ 2.58 (3H, s), 5.21 (2H, s), 5.87 (1H, s), 7.06-7.18 (5H, m), 7.42-7.49 (7H, m), 8.29 (1H, brs), 8.86 (1H, brs), 9.01 (1H, brs) 198-199 °C, ¹H-NMR (CDCl ₃) δ 1.77 (3H, s), 1.82 (3H, s), 2.42 (3H, s), 4.63
45	Ia-28	(2H, d, J = 6.7), 5.51 (1H, t. J = 6.7), 5.68 (1H. s), 5.77 (1H, s), 6.87 (2H, d, J = 7.8), 6.96 (1H, d, J = 8.5), 7.10 (1H, dd, J = 8.5, 2.4), 7.21 (1H, d, J = 2.4), 7.44 (2H, d, J = 7.8), 7.71 (1H, d, J = 2.4), 8.68 (1H, d, J = 2.4).
	Ia-31	198-199 °C, ¹H-NMR (CDCl ₃) δ 2.53 (3H, s), 3.14 (3H, s), 3.21 (3H, s), 5.21 (2H, s), 7.22 (1H, d, J = 8.5), 7.39-7.49 (7H, m), 7.55-7.62 (2H, m), 7.73 (2H, d, J = 9.2), 8.05 (1H, brs), 8.84 (1H, brs) 142-144 °C, ¹H-NMR (CDCl ₃) δ 1.78 (3H, s), 1.82 (3H, s), 2.43 (3H, s), 3.17
50	Ia-32	(3H, s), 3.24 (3H, s), 4.65 (2H, d, J = 6.7), 5.50 (1H, br t, J = 6.7), 7.12 (1H, d, J = 8.5), 7.40 (2H, dd, J = 6.7, 1.8), 7.52 (1H, dd, J = 8.6, 2.4), 7.57 (1H, s) 7.64 (2H, d, J = 8.5), 7.74 (1H, s) 8.70 (1H, d, J = 2.5)

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Table 90

Ia-35	152-154 °C, ¹ H-NMR (CDCL) δ 1.77 (3H, s), 1.83 (3H, s), 2.59 (3H, s), 4.12
	(2H, d, J = 7.3), 5.53 (1H, t, $J = 7.3$), 5.77 (1H, brs), 6.79-6.95 (5H, m),
	7.49 (1H, d, $J = 8.0$). 7.55 (1H, d, $J = 8.0$). 7.88 (2H, d, $J = 8.5$)
Ia-38	109-112 °C, 1H-NMR (CDCl3) & 2.60 (3H, s), 3.12 (3H, s), 3.16 (3H, s), 5.19
	(2H, s), 7.15 (1H, d, $J = 8.5$), 7.27 (1H, dd, $J = 7.8$, 1.8), 7.35-7.50 (8H, m),
	7.59 (2H. s). $8.09 (2H. d. J = 9.2)$
Ia-39	oil, 1.78 (3H, s), ¹ H-NMR (CDCl ₃) δ 1.82 (3H, s), 2.60 (3H, s), 3.17 (3H, s),
	3.24 (3H, s), 4.65 (2H, d, J = 6.7), 5.51 (1H, br t, J = 6.7), 7.09 (1H, d, J = 6.7)
	8.6), 7.24-7.27 (1H, m), 7.34-7.35 (2H, m), 7.40 (1H, d, J = 8.6) 7.59 (2H,
	s), 8.09 (2H. d, J = 9.2)
Ia-42	175-176 °C, 'H-NMR (CDCl _s) δ 1.77 (3H. s), 1.83 (3H, s), 2.32 (3H, s), 2.54
	(3H, s), 4.63 (2H, d, $J = 6.8$), 5.52 (1H, brs), 5.53 (1H, t, $J = 6.8$), 5.75 (1H.)
- (brs), $6.80-6.84$ (3H, m), 6.93 (1H, d, $J = 7.8$), 6.95 (1H, d, $J = 1.8$), $7.38-1$
	7.41 (3H, m)
Ia-43	177-178 °C, ¹ H-NMR (CDCl ₃) δ 1.77 (3H, s), 1.79 (3H, s), 2.32 (3H, s), 2.56
	(3H, s), 3.90 $(3H, s)$, 4.64 $(2H, d, J = 6.8)$, 5.56 $(1H, t, J = 6.8)$, 6.75 $(2H, d, J = 6.8)$
	J = 8.5), 6.87-6.97 (3H, m), 7.33 (2H, d. $J = 8.5$), 7.43 (1H, s)
Ia-45	79-81 °C, ¹ H-NMR (CDCl ₃) δ 2.33 (3H, s), 2.53 (3H, s), 3.16 (3H, s), 5.18
	(2H, s), 5.75 (1H, s), 6.83 (1H, dd, $J = 7.8$, 1.8), 6.98 (1H, d, $J = 1.8$), 7.00
	(1H. d, J = 8.5), 7.37-7.55 (8H, m), 7.63 (2H, d, J = 8.5)
Ia-46	163-164 °C, 'H-NMR (CDCl ₃) δ 2.34 (3H, s), 2.54 (3H, s), 3.13 (3H, s), 3.17
}	(3H, s), 5.19 $(2H, s)$, 7.15 $(1H, d, J = 8.5)$, 7.27 $(1H, dd, J = 8.5, 2.5)$,
	7.35-7.50 (9H. m), 7.62 (2H, d, J = 8.5)
Ia-47	oil, ¹ H-NMR (CDCl ₃) & 1.77 (3H, s), 1.82 (3H, s), 2.34 (3H, s), 2.54 (3H, s), 1.77 (3H, s), 1.77 (3H, s), 2.37 (3H, s), 2.38 (3H, s), 2.38 (3H, s), 2.39
}	3.17 (3H, s), 3.23 (3H, s), 4.66 (2H, d, J = 7.3), 5.51 (1H, br t, J = 7.3), 7.08
	(1H, d, J = 8.6), 7.26 (1H, dd, J = 8.6, 2.4), 7.35 (1H, d, J = 2.4), 7.39 (2H, d, J = 8.6), 7.43 (1H, s), 7.64 (2H, d, J = 8.6)
Ia-48	149-150 °C, 'H-NMR (CDCl ₃) δ 1.77 (3H, s), 1.80 (3H, s), 2.35 (3H. s), 2.54
12-40	(3H, s), 3.17 (3H, s), 3.90 (3H, s), 4.64 (2H, d, $J = 6.8$), 5.57 (1H, t, $J = 6.8$)
	6.8), 6.87 (1H, s), 6.88-6.98 (2H, m), 7.39 (2H, d, J = 8.5), 7.44 (1H, s), 7.63
	(2H. d. J = 8.5)
Ia-65	237-239 °C, 1H-NMR (CDCl ₃ -CD ₃ OD) & 3.16 (3H, s), 5.21 (2H, s), 6.96
	(2H, d, J = 8.6), 7.20 (1H, d, J = 9.3), 7.38-7.51 (5H, m), 7.72 (1H, br d, J =
}	(8.3), 7.90-7.95 $(3H, m)$, 8.80 $(1H, br d. J = 2.4)$
Ia-66	152-153 °C, 'H-NMR (CDCl ₃) δ 1.76 (3H, s), 1.81 (3H, s), 4.63 (2H, d, J =
	6.8), 5.51 (1H, br t, J = 6.8), 5.59 (1H, br s), 5.75 (1H, s), 6.95 (2H, d, J =
	[8.6), 6.97 (1H, d, $J = 8.3$), 7.50 (2H, d, $J = 8.6$), 7.56 (1H, dd, $J = 2.2$, 8.3),
	7.59 (1H, d, J = 2.2), 7.69 (1H, dd, J = 0.7, 8.3), 7.86 (1H, 2.4, 8.3), 8.83
	(1H, dd. J = 0.7, 2.4)
Ia-68	167-168 °C, 'H-NMR (CDCL) δ 3.13 (3H, s), 3.20 (3H, s), 5.21 (2H, s), 7.18
	(1H, d, J = 8.3), 7.38-7.48 (7H, m), 7.67 (2H, d, J = 8.8), 7.76 (1H, br d, J =
	8.3), 7.91 (1H, dd, J = 2.4, 8.3), 7.99-8.03 (2H, m), 8.85 (1H, br d, J = 2.4)
Ia-69	151-152.5 °C, ¹ H-NMR (CDCl ₃) δ 1.77 (3H, s), 1.81 (3H, s), 3.20 (3H, s),
1	3.24 (3H, s), 4.66 (2H, d. J = 6.8), 5.50 (1H, br t, J = 6.8), 7.12 (1H, d, J = 6.8)
1	[9.3), 7.42 (2H, d, $J = 8.5$), 7.67 (2H, d, $J = 8.5$), 7.76 (1H, br d, $J = 8.3$),
	7.90 (1H, dd, $J = 2.4, 8.3$), 8.00-8.03 (2H, m), 8.85 (1H, br d, $J = 2.4$)
Ia-71	220-221 °C 'H-NMR (CDCl ₃) & 2.57 (3H, s), 3.51 (2H, brs), 5.18 (2H, s),
	7.14 (1H, d, $J = 7.3$), 7.15-7.62 (11H, m), 8.11 (1H, d, $J = 1.8$), 8.78 (1H, d,
L	J = 1.8

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Table 91

Tab	ne 31	
ſ	Ia-73	180-181 °C, 1H-NMR (CDCla) & 1.74 (3H, s), 1.79 (3H, s), 2.42 (3H, s), 4.61
5		(2H, d, $J = 6.8$), 5.50 (1H, t, $J = 6.8$), 6.84-6.96 (5H, m), 7.05 (1H, dd, $J = 6.8$), 6.84-6.96 (5H, m), 7
Ì		7.8, 1.8), 7.14 (1H, d, $J = 1.8$), 7.44 (2H, d, $J = 9.2$), 7.71 (1H, d, $J = 1.8$)
(8.65 (1H, d. J = 1.8),
}	Ia-75	164-165 °C, 'H-NMR (CDCla) & 2.53 (3H, s), 3.13 (3H, s), 3.21 (3H. s), 5.19
		(2H, s), 7.16 (1H, d, $J = 7.3$), 7.32-7.50 (7H, m), 7.61 (2H, dd, $J = 8.5$, 2.4),
10		7.70 (2H, d. $J = 7.3$), 7.79 (1H, d. $J = 1.8$) 8.76 (1H, d. $J = 1.8$)
	Ia-76	151-152 °C 'H-NMR (CDCla) & 1.77 (3H, s). 1.81 (3H, s), 2.48 (3H, s), 3.20
		(3H, s), 3.21 $(3H, s)$, 4.65 $(2H, d, J = 6.8)$, 5.50 $(1H, t, J = 6.8)$, 7.11 $(1H, d, J = 6.8)$
		J = 7.9), 7.41 (2H, d, J = 9.2), 7.55 (1H, dd, J = 7.8, 1.8), 7.58 (1H, s), 7.66
Į		(2H. d. J = 7.9), 7.74 (1H. d. $J = 1.8)$ 8.71 (1H. d. $J = 1.8$).
15	Ia-79	189-191 °C, 'H-NMR (CDCl ₃) δ 2.34 (3H, s), 5.18 (2H, s), 5.29 (1H, br s),
		5.71 (1H, s), 6.83 (1H, dd, $J = 2.2$, 8.3), 6.92 (2H, d, $J = 8.6$), 7.03 (1H, d, $J = 3.6$), 7.55 (1H, d, $J = 3.6$),
		= 8.3), 7.23 (2H, d, J = 8.6), 7.37-7.47 (5H, m), 7.54 (1H, s), 7.55 (1H, dd, J
		=2.2. 8.3). 7.60 (2H, d. J = 2.2). 8.45 (1H, s)
ţ	1a-80	165-166 °C, 'H-NMR (CDCl ₃) & 1.76 (3H, s), 1.81 (3H, s), 2.35 (3H, s), 4.63 (2H, d, J = 6.8), 5.51 (1H, br t, J = 6.8), 5.75 (1H, s), 6.19 (1H, br s), 6.92
20		$(2H, d, J = 8.8), 6.96$ (1H, d, $J = 8.8), 7.21$ (2H, d, $J = 8.8), 7.52 \cdot 7.57$ (3H.)
•		
	7- 09	m). 8.44 (1H, s) 189-190 °C, 'H-NMR (CDCl ₃) & 2.35 (3H, s). 3.13 (3H, s), 3.22 (3H, s), 5.20
	Ia-82	(2H, s), 7.18 (1H, d, $J = 9.0$), 7.36-7.49 (9H, m), 7.58 (1H, s), 7.99-8.02
		(2H, m), 8.46 (1H, s)
25	Ia-83	169-170 °C, 'H-NMR (CDCl ₃) & 1.77 (3H. s), 1.81 (3H, s), 2.35 (3H, s), 3.22
	14-00	(3H, s), 3.24 (3H, s), 4.66 (2H, d, $J = 6.8$), 5.50 (1H, br t, $J = 6.8$), 7.11 (1H,
		[d, J = 8.6), 7.40 (4H, s), 7.58 (1H, s), 7.96 (1H, d, $J = 2.2$), 8.00 (1H, dd, $J = 3.6$)
		=2.2. 8.6), 8.45 (1H, s)
	Ia-85	143-146 °C, ¹H-NMR (CDCl ₃) δ 2.53 (3H, s), 5.03 (1H, brs), 5.18 (2H, s),
30	20 00	[5.72 (1H, s), 6.92 (2H, dd, J=7.8, 1.8), 7.02 (1H, d, J=6.8), 7.23 (2H, dd, J)
,		=7.3, 1.8, 7.33-7.48 (5H. m), $7.49-7.60$ (3H, m), 7.67 (1H. d. $J = 1.8$)
	Ia-87	168-169 °C. 1H-NMR (CDCl3) & 1.76 (3H, s), 1.81 (3H, s), 2.56 (3H, s), 4.63
-		(2H, d, J = 6.8), 4.84 (1H, s), 5.51 (1H, t, J = 6.8), 5.70 (1H, s), 6.91 (2H, d, J = 6.8), 5.70 (1H, s), 6.91 (2H, d, J = 6.8), 5.70 (1H, s), 6.91 (2H, d, J = 6.8), 5.70 (1H, s), 6.91 (2H, d, J = 6.8), 5.70 (1H, s), 6.91 (2H, d, J = 6.8), 5.70 (1H, s), 6.91 (2H, d, J = 6.8), 5.70 (1H, s), 6.91 (2H, d, J = 6.8), 5.70 (1H, s), 6.91 (2H, d, J = 6.8), 5.70 (1H, s), 6.91 (2H, d, J = 6.8),
		J = 8.5), 6.95 (1H, d, $J = 8.5$). 7.22 (2H. s), 7.51 (2H, s), 7.55 (1H, dd, J
35		=8.5, 2.4), 7.62 (1H, d, J = 2.4)
	Ia-89	174-175 °C, 'H-NMR (CDCl ₃) & 2.56 (3H, s), 3.13 (3H, s), 3.21 (3H, s), 5.20
		(2H, s), 7.15 (1H, d. $J = 8.5$), 7.29-7.48 (9H, m), 7.56 (2H, s), 7.99 (1H, dd,
		J =8.5. 2.4). 8.03 (1H, d. J = 2.4)
	Ia-90	141-142 °C, 'H-NMR (CDCl ₃) & 1.77 (3H, s), 1.81 (3H, s), 2.56 (3H, s), 3.21
40		(3H. s), 3.24 (3H, s), 4.65 (2H, d. J=6.8), 5.50 (1H, t, J=6.8), 7.10 (1H, d.
		J = 8.6), 7.36-7.43 (4H, m), 7.55 (2H, d, $J = 1.2$), 7.98 (1H, dd, $J = 8.6$, 2.4),
		[8.01 (1H. d. J = 1.2)]
	Ia-93	118-121 °C, 'H-NMR (CDCL) & 2.36 (3H, s), 2.51 (3H, s), 3.10 (3H, s), 5.10
		(1H, brs), 5.18 (2H, s). 6.90 (2H, d, J = 8.6), 7.14 (1H, d, J = 8.6), 7.21-7.48
45		(8H, m), 7.52 (1H, dd, J = 8.6, 1.8), 7.58 (1H, d, J = 1.8)
	Ia-94	168-169 °C, 'H-NMR (CDCls) & 1.76 (3H, s), 1.81 (3H, s), 2.33 (3H, s), 2.51
		(3H, s), 4.61 (2H, d, $J = 6.8$), 5.32 (1H, brs), 5.51 (1H, t, $J = 6.8$), 5.73 (1H,
		s), 6.87-6.95 (3H, m), 7.04 (1H, dd, J = 8.5, 1.8), 7.14 (1H, d, J = 1.8),
	7 00	[7.21-7.24 (2H, m), 7.37 (1H, s) 140-141 °C, 'H-NMR (CDCl ₃) δ 2.38 (3H, s), 2.50 (3H, s), 3.11 (3H, s), 3.21
50 .	Ia-96	[3H, s), 5.19 (2H, s), 7.16 (1H, d, J = 8.5), 7.33-7.51 (10H, m), 7.55 (1H,
		(3H, s). 5.19 (2H, s), 7.16 (1H, d, J = 8.5), 7.55-7.91 (1011, III), 7.55 (111, dd, J = 7.8, 1.8), 7.62 (1H, d, J = 1.8)
	T .	(du, 9 - 1.0, 1.0), 1.02 (171, d. 0 - 1.0)

Table 92

Ia-97	106-107 °C, ¹ H-NMR (CDCl ₃) δ 1.77 (3H, s), 1.81 (3H, s), 2.38 (3H, s), 2.5
	(3H, s), 3.20 (3H, s). 3.21 (3H, s), 4.64 (2H, d, J = 6.8), 5.49 (1H, t, J = 6.8)
	7.10 (1H. d. $J = 8.0$), 7.35-7.44 (5H, m), 7.51-7.65 (2H, m)
Ia-125	121-122 °C, 'H-NMR (CDCl ₃) δ 2.38 (3H, s), 3.90 (3H, s), 4.03 (3H, s), 5.2
	(2H, s), 6.77 (1H, dd, $J = 2.0, 8.3$), 6.82 (1H, d, $J = 2.0$), 6.97 (1H, d, $J = 3.0$)
	8.3), 7.32-7.49 (8H, m), 8.46-8.49 (2H, m)
Ia-127	110-111 °C, ¹ H-NMR (CDCls) δ 2.39 (3H, s), 4.03 (3H, s), 5.11 (2H, s), 7.0
	(2H. d. J = 8.5), 7.22 $(2H. d. J = 8.5)$, $7.34-7.51$ $(8H. m)$. $8.44-8.50$ $(2H. m)$
Ia-128	115-116 °C, ¹ H-NMR (CDCl ₃) δ 2.38 (3H, s), 4.03 (3H, s), 5.07 (2H, s), 7.00
	(2H, d, J = 9.2), 7.21 (4H, d, J = 9.2), 7.36 (2H, d, J = 8.5), 7.45-7.51 (3H
	m). 8.46-8.50 (2H. m)
Ia-129	129-130 °C, 'H-NMR (CDCla) & 1.77 (3H, s), 1.82 (3H, s), 2.39 (3H, s), 4.03
	(3H, s), 4.56 $(2H, d, J = 6.7)$, 5.55 $(1H, br t, J = 6.7)$, 7.00 $(2H, d, J = 8.5)$
	(7.21 (2H, d. J = 8.5), 7.46-7.51 (3H. m), 8.46-8.50 (2H. m))
Ia-131	121-122 °C, ¹H-NMR (CDCl ₃) δ 2.39 (3H, s), 4.03 (3H, s), 5.16 (2H, s), 5.75
	(1h, s), 6.76 (1H, dd, $J = 2.2$, 8.3), 6.90 (1H, d, $J = 2.2$), 7.01 (1H, d, $J = 2.3$)
	8.1), 7.38-7.5 (8H. m), 8.46-8.50 (2H. m)
Ia-132	142-143 °C, ¹ H-NMR (CDCl ₃) δ 2.29 (3H, s), 2.41 (3H, s), 4.02 (3H, s), 5.14
	(2H, s), 7.02 (1H, d. $J = 1.2$), 7.05-7.11 (2H, m), 7.33-7.49 (8H, m), 8.45
	8.50 (2H. m)
Ia-133	161.5-162.5 °C, 'H-NMR (CDCl ₃) δ 2.42 (3H, s), 3.11 (3H, s), 4.03 (3H, s)
	5.18 (2H. s), 7.14 (1H, d, J = 8.6), 7.21 (1H, dd, J = 2.0, 8.6), 7.31 (1H, d, d, d)
	= 2.0), 7.37-7.50 (8H, m), 8.46-8.49 (2H, m)
Ia-134	142-143 °C. ¹ H-NMR (CDCl ₃) δ 2.39 (3H, s), 4.03 (3H, s), 5.23 (2H, s), 7.15
	(1H, d, J = 8.5), 7.17.7.25 $(2H, m), 7.33.7.51$ $(8H, m), 8.45.8.50$ $(2H, m)$
Ia-135	132-133 °C, 1H-NMR (CDCls) & 2.37 (3H, s), 4.03 (3H, s), 4.94 (2H, s), 6.98
	(1H, d, J = 8.6), 7.15 (1H, dd, $J = 1.8, 8.6), 7.17$ (1H, d, $J = 1.8), 7.33-7.60$
	(11H. m). 7.87 (2H, d, J = 7.3), 8.45-8.59 (2H, m)
Ia-136	127-128 °C, 'H-NMR (CDCl ₃) & 2.40 (3H, s), 2.42 (3H, s), 4.04 (3H, s), 5.14
	(2H, s), 5.70 (1H, s), 6.79 (1H, dd, $J = 1.8$, 7.9), 6.90 (1H, d, $J = 1.8$), 7.05
	(1H, d, J = 7.9), 7.22-7.36 (3H, m), 7.40 (1H, d, J = 6.7), 7.43-7.55 (3H, m)
	8.44-8.50 (2H. m)
Ia-137	87-89 °C, ¹ H-NMR (CDCl ₃) δ 2.39 (3H, s), 2.41 (3H, s), 4.03 (3H, s), 5.12
	(2H, s). 5.73 (1H, s), 6.76 (1H, dd, $J = 1.8, 7.9$), 6.90 (1H, d, $J = 1.8$), 7.03
F 400	(1H. d. J = 7.9), 7.18-7.36 (4H. m), 7.43-7.53 (3H. m), 8.46-8.52 (2H. m)
Ia-138	114-115 °C. ¹H-NMR (CDCl ₃) & 2.39 (6H, s), 4.02 (3H, s), 5.10 (2H, s), 5.74
	(1H, s), 6.75 (1H, dd, $J = 2.0$, 8.3), 6.89 (1H, d, $J = 2.0$), 7.01 (1H, d, $J = 2.0$), 7.0
	8.3), 7.24 (2H, d, J = 8.6), 7.36 (2H, d, J = 8.6), 7.45-7.50 (3H, m), 8.46
T. 100	[8.50 (2H, m)]
Ia-139	192-193 °C, 1H-NMR (CDCls) & 2.42 (3H, s), 2.43 (3H, s), 3.06 (3H, s), 4.04
	(3H, s), 5.16 (2H, s), 7.15-7.33 (6H, m), 7.41-7.50 (4H, m), 8.46-8.51 (2H
7 . 10	[m)
Ia-140	151-152 °C. 1H-NMR (CDCla) & 2.39 (3H. s), 2.42 (3H, s), 3.12 (3H, s), 4.03
	(3H. s), 5.14 (2H, s), 7.14 (1H, d, $J = 8.5$), 7.18-7.31 (6H, m), 7.46-7.50
	(3H, m), 8.45-8.50 (2H, m)
Ia-141	188-189 °C, 'H-NMR (CDCl ₅) & 2.39 (3H, s), 2.41 (3H, s), 3.11 (3H, s), 4.05
	$\{(3H, s), 5.13 (2H, s), 7.14 (1H, d, J = 8.6), 7.20 (1H, dd, J = 2.2, 8.6), 7.22 \}$
	(2H, d, $J = 8.0$), 7.30 (1H, d, $J = 2.2$), 7.36 (2H, d, $J = 8.0$), 7.47-7.50 (3H m), 8.46-8.49 (2H, m)

Table 93

	Ia-142	166-167 °C, 'H-NMR (CDCl ₃) δ 2.39 (3H, s), 3.91 (3H, s), 4.03 (3H, s), 5.15
	l	(2H, s), 6.18 (1H, s), 6.75 (1H, dd, J = 1.8, 7.9), 6.89 (1H, d, J = 2.4), 6.97
		(1H, d, J = 7.9), 7.03 (1H, d, J = 7.9), 7.34-7.49 (5H, m), 8.46-8.50 (2H, m)
	Ia-143	166-167 °C, 1H-NMR (CDCl ₃) δ 2.39 (3H, s), 3.84 (3H, s), 4.03 (3H, s), 5.13
		(2H, s), 5.74 (1H, s), 6.75 (1H, dd, $J = 1.8$, 8.5), 6.89 (1H, d, $J = 1.8$),
	•	6.90-7.05 (4H, m), 7.34 (1H. d, J = 7.9), 7.44-7.50 (3H, m), 8.45-8.50 (2H,
	7. 144	m) 125-126 °C, ¹H-NMR (CDCl ₃) δ 2.39 (3H, s), 3.85 (3H, s), 4.03 (3H, s), 5.08
	Ia-144	(2H, s), 5.70 (1H, s), 6.76 (1H, dd, $J = 1.8$, 7.9), 6.89 (1H, d, $J = 8.5$), 6.96
	1	(2H, d, J = 8.5), 7.02 (1H, d, $J = 7.9$), 7.38 (2H, d, $J = 8.5$), 7.44-7.50 (3H,
	\$	m), 8.45-8.50 (2H. m)
	Ia-145	193-195 °C, 'H-NMR (CDCl ₃) ô 2.42 (3H, s), 3.13 (3H, s), 3.87 (3H, s), 4.03
	14.110	(3H. s), 5.21 (2H. s), 6.94 (1H, d. J = 7.9), 6.98-7.04 (1H, m), 7.19-7.21
	ļ .	(2H, m), 7.30 (1H, d, J = 1.8), 7.36 (1H, d, J = 7.9) 7.45-7.50 (4H, m),
		8.45-8.50 (2H, m)
	Ia-146	166-167 °C, 1H-NMR (CDCl ₃) δ 2.41 (3H, s), 3.15 (3H, s), 3.84 (3H, s), 4.03
	l	(3H, s), 5.16 (2H, s), 6.91 (1H, d, J = 8.5), 7.02-7.06 (2H, m), 7.12 (1H, d, J
	(= 8.5), 7.20 (1H, dd, $J = 1.8$, 8.5), 7.30 (1H, d, $J = 1.8$), 7.35 (1H, d, $J = 7.9$)
		7.45-7.49 (3H, m), 8.45-8.50 (2H, m)
	Ia-147	171-172 °C 'H-NMR (CDCl ₃) δ 2.41 (3H. s), 3.09 (3H. s). 3.84 (3H, s), 4.03
	((3H, s), 5.10 (2H, s), 6.94 (2H, d, J = 8.5), 6.97-7.23 (2H, m), 7.29 (1H, d, J)
	7 110	= 1.8), 7.39 (2H. d. J = 8.5), 7.45-7.49 (3H. m), 8.45-8.49 (2H, m) 177-179 °C, 'H-NMR (CDCl ₃) δ 2.39 (3H, s), 4.03 (3H, s), 5.27 (2H, s), 6.72
	Ia-148	(1H, dd, J = 2.4, 8.5), 6.93 (1H, d, $J = 1.8), 7.12$ (1H, d, $J = 7.9), 7.31-7.36$
	1	(2H, m), 7.46-7.49 $(3H, m)$, 7.78 $(1H, dt, J = 1.8, 7.3)$, 8.46-8.50 $(2H, m)$,
		8.68 (1H, d, J = 4.9), 9.76 (1H, s)
	Ia-149	221-212 °C, 'H-NMR (CDCl ₃) δ 2.39 (3H, s), 4.03 (3H, s), 5.19 (2H, s), 5.69
	1 11 110	(1H, s), 6.78 (1H, dd, $J = 1.8$, 7.9), 6.92 (1H, d, $J = 2.4$), 7.01 (1H, d, $J = 1.8$)
	1	[8.5], $7.35-7.40$ (1H, m), $7.45-7.51$ (3H, m), 7.80 (1H, d, $J = 7.9$), $8.46-8.50$
	ł	(2H, m), 8.65 (1H, d, J = 4.9), 8.72 (1H, s)
	Ia-150	222-224 °C, ¹H-NMR (CDCl ₃) δ 2.39 (3H, s), 4.03 (3H, s), 5.19 (2H, s), 6.08
		(1H, s), 6.75 $(1H, dd, J = 1.8, 7.9)$, 6.92 $(1H, d, J = 6.7)$, 6.94 $(1H, s)$. 7.35
		(2H, d. J = 6.1), 7.45-7.51 (3H. m), 8.25-8.50 (2H, m), 8.65 (2H, d. J = 5.5)
	Ia-151	195-197 °C, 'H-NMR (CDCl ₃) δ 2.41 (3H, s), 3.23 (3H, s), 4.03 (3H, s), 5.32
	1	(2H, s), 7.13 (1H, d, $J = 8.5$), 7.20 (1H, dd, $J = 2.4$, 8.5), 7.26-7.33 (2H, m),
		7.46-7.50 (3H, m), 7.62 (1H, d, $J = 7.3$), 7.78 (1H, dt, $J = 1.8$, 7.9), 8.45-
	T- 150	8.50 (2H, m). 8.62 (1H, d. J = 4.9) 173-174 °C, ¹ H-NMR (CDCl ₃) δ 2.42 (3H, s), 3.13 (3H, s), 4.03 (3H, s), 5.21
	Ia-152	(2H, s), 7.15 (1H, d, $J = 7.9$), 7.21 (1H, d, $J = 1.8$), 7.31 (1H, d, $J = 1.8$).
	1	7.36-7.41 (1H, m), 7.47-7.89 (3H, m), 8.46-8.50 (2H, m), 8.73 (1H, s), 8.65
		(1H, d, J = 4.9). 8.73 (1H. s)
	Ia-153	186-187 °C, 1H-NMR (CDCl ₃) δ 2.41 (3H, s), 3.20 (3H, s), 4.03 (3H, s), 5.22
	1 100	(2H, s), 7.06 (1H, d, J = 8.5), 7.21 (1H, dd, J = 1.8, 8.5), 7.32 (1H, d, J =
	}	(2.4), (7.42) (1H, d, (3.47)), (3.47) , (3.47)
		d. J = 4.9)
	Ia-154	112-113 °C, 'H-NMR (CDCl ₂) & 2.37 (3H, s). 3.16 (2H, t, J = 6.7). 4.02 (3H,
ı		s), 4.32 (2H, t, $J = 6.7$), 5.55 (1H, s), 6.74 (1H, dd, $J = 1.8, 8.5$), 6.85 (1H, d,
		J = 1.8), 6.93 (1H, d, $J = 8.5$), 7.25-7.39 (5H, m), 7.45-7.49 (3H, m), 8.45-
		8.49 (2H, m)

Table 94

	170 °C, ¹ H-NMR (CDCl ₃) δ 2.39 (3H, s), 2.88 (3H, s), 3.18 (2H, t, J =
	4.02 (3H, s), 4.35 (2H, t, J = 6.7), 7.07 (1H, d, J = 8.5), 7.19 (1H, dd, J
	3, 7.9). 7.25-7.38 (6H, m), 7.46-7.49 (3H, m). 8.44-8.49 (2H, m)
	119 °C, ¹H-NMR (CDCl ₃) δ 1.77 (3H, s), 1.83 (3H, s), 2.39 (3H, s), 4.03
	s), 4.62 (2H, d, J = 6.8), 5.52 (1H, br t, J = 6.8), 5.75 (1H, s), 6.75 (1H, J = 2.2, 8.3), 6.87 (1H, d, J = 2.2), 6.94 (1H, d, J = 8.3), 7.45-7.50 (3H, d, J = 8.3), 7.45
	3.46-8.49 (2H, m)
	124 °C, ¹ H-NMR (CDCl ₃) δ 1.77 (3H, s), 1.82 (3H,s), 2.42 (3H, s), 3.23
	s), 3.40 (3H, s), 4.63 (2H, d, $J = 6.8$), 5.51 (1H, br t, $J = 6.8$), 7.07 (1H,
	= 8.6), 7.19 (1H. dd, $J = 2.0$, 8.6), 7.28 (1H, d, $J = 2.0$), 7.45-7.50 (3H.
1 1 1	3.45-8.49 (2H, m)
	0°C, ¹ H-NMR (CDCl ₃) δ 1.75 (3H, s), 1.76 (3H, s), 2.38 (3H, s), 2.54
	q, $J = 6.7$), 4.03 (3H, s), 4.08 (2H, t, $J = 6.7$), 5.23 (1H, t, $J = 7.3$),
5.71	(1H, s), 6.74 $(1H, dd, J = 1.8, 7.9)$, 6.87 $(1H, d, J = 1.8)$, 6.92 $(1H, d, J = 1.8)$
), 7.44-7.51 (3H, m), 8.45-8.50 (2H, m)
Ia-160 152-	153 °C, ¹ H-NMR (CDCl ₃) δ 1.69 (3H, s), 1.74 (3H, s), 2.41 (3H, s), 2.56
	q, $J = 6.7$). 3.21 (3H, s), 4.03 (3H, s), 4.08 (2H, t, $J = 6.7$). 5.22 (1H, t,
	(3.7), (7.06) (1H, d, (3.7)), (7.20) (1H, dd, (3.7)), (7.28) (1H, d. (3.7))
	7.46-7.50 (3H, m), 8.45-8.50 (2H, m)
	5-201.5 °C, ¹ H-NMR (CDCl ₂) & 2.38 (3H, s), 3.11 (3H, s), 4.01 (3H, s),
	(2H, s), 5.38 (1H, s), 6.90 (2H, d, $J = 8.8$), 7.13 (1H, d, $J = 8.5$), 7.19 dd, $J = 2.0$, 8.5), 7.29 (1H, d, $J = 2.0$), 7.37-7.49 (5H, m), 8.37 (2H, d,
J=8	
	168 °C, ¹H-NMR (CDCl ₃) δ 1.77 (3H, s), 1.83 (3H, s), 2.36 (3H, s), 4.01
	s), 4.62 (2H, d, $J = 6.6$), 5.53 (1H, br t, $J = 6.6$), 5.58 (1H, br), 5.74
	br s), 6.73 (1H, dd, J = 2.0, 8.3), 6.86 (1H, d, J = 2.0), 6.89 (2H, d, J =
	6.93 (1H, d, J = 8.3), 8.37 (2H, J = 8.8)
	5-186.5 °C, ¹ H-NMR (CDCl ₃) 8 2.41 (3H, s), 3.11 (3H, s), 3.18 (3H, s),
	(3H, s), 5.18 $(2H, s)$, 7.15 $(1H, d, J = 8.3)$, 7.21 $(1H, dd, J = 2.0, 8.3)$,
	(1H, d. J = 2.0), 7.36-7.49 (7H, m), 8.54 (2H, d. J = 8.8)
	139 °C, ¹ H-NMR (CDCl ₂) δ 1.77 (3H, s), 1.82 (3H, s), 2.41 (3H, s), 3.18
	s). 3.22 (3H, s), 4.02 (3H, s). 4.64 (2H, d, J = 6.8), 5.51 (1H, br t, J = 7.08 (4H, d, J = 9.5), 7.10 (4H, d, J = 9.0)
	7.08 (1H, d, J = 8.5), 7.19 (1H, dd, J = 2.0, 8.5), 7.28 (1H, d, J = 2.0), (2H, d, J = 9.0), 8.54 (2H, J = 9.0)
Ia-173 202-2	(211. d. 3 - 3.0). 8.34 (211. 3 - 3.0) 204 °C, ¹ H·NMR (CDCl ₃) δ 2.40 (3H, s). 2.55 (3H, s). 3.11 (3H, s), 4.02
	s), 5.17 (2H, s), 7.14 (1H, d, $J = 8.5$), 7.20 (1H, dd, $J = 2.0$, 8.5), 7.30
	d, $J = 2.0$), 7.33 (2H, br d, $J = 8.6$), 7.37-7.50 (5H, m), 8.40 (2H, br d,
J = 8	
	206 °C, ¹ H-NMR (CDCl ₃) δ 2.44 (3H, s), 3.10 (3H, s), 3.12 (3H, s), 4.05
	s), 5.18 (2H, s), 7.16 (1H, d, J = 8.5), 7.21 (1H, dd, J = 2.0, 8.5), 7.31
(1H,	d, J = 2.0), 7.37-7.50 (5H, m), 8.05 (2H, br d, J = 8.6), 8.68 (2H, br d,
J = 8	
	179 °C, ¹ H-NMR (CDCl ₃) δ 2.40 (3H, s), 3.11 (3H, s), 4.01 (3H, s), 5.17
	s), $7.12-7.22$ (4H, m), 7.29 (1H, d, $J = 2.0$), $7.37-7.50$ (5h, m). 8.48
	dd. J = 5.6, 9.0
	28 °C, ¹ H-NMR (CDCl ₃) δ 1.77 (3H, s), 1.83 (3H, s), 2.37 (3H, s), 4.01
	s), 4.62 (2H, d, J = 6.8), 5.53 (1H, br t, J = 6.8), 5.74 (1H, s), 6.74 (1H,
dd. J	s), 4.62 (2H, d, J = 6.8), 5.53 (1H, br t, J = 6.8), 5.74 (1H, s), 6.74 (1H, s) = 2.0, 8.3), 6.86 (1H, d, J = 2.0), 6.94 (1H, d, J = 8.3), 7.14 (2H, d, J = 8.48 (2H, dd, J = 5.6, 8.8)

Table 95

1 4 (ne ao	
	Ia-178	143-144 °C, 1H-NMR (CDCl ₃) δ 1.77 (3H, s), 1.82 (3H, s), 2.40 (3H, s), 3.23
5		(3H, s), 4.02 (3H, s), 4.63 (2H, d, J = 6.8), 5.51 (1H, br t, J = 6.8), 7.05-7.20
		(4H, m), 7.27 $(1H, d, J = 2.2)$, 8.48 $(2H, dd, J = 5.6, 9.0)$
	Ia-179	118-120 °C, 'H-NMR (CDCl3) & 2.43 (3H, s), 3.12 (3H, s), 4.05 (3H, s), 5.18
		(2H, s), 7.15 (1H, d, $J = 8.6$), 7.21 (1H, dd, $J = 2.0$, 8.6), 7.31 (1H, d, $J = 2.0$)
		[2.0), $7.38-7.50$ (5H, m), 7.60 (1H, br t, $J = 7.8$), 7.73 (1H, br d, $J = 7.8$),
10	·	8.67 (1H, br d. J = 7.8), 8.75 (1H, br s)
	Ia-180	114-115 °C, 'H-NMR (CDCl ₃) δ 1.77 (3H, s), 1.83 (3H, s), 2.40 (3H, s), 4.04
		(3H, s), 4.63 (2H, d, J = 6.8), 5.53 (1H, br t, J= 6.8), 5.74 (1H, s), 6.75 (1H.
		[dd, J = 2.0, 8.3), 6.87 (1H, d, J = 2.0), 6.95 (1H, d, J = 8.3), 7.60 (1H, t, J = 8.3),
		7.8), 7.72 (1H, br d. $J = 7.8$), 8.67 (1H, br d. $J = 7.8$), 8.75 (1H, s)
15	Ia-181	102-103 °C, 'H-NMR (CDCl ₃) δ 1.77 (3H, s), 1.82 (3H, s), 2.43 (3H, s), 3.23
		(3H. s), 4.05 (3H, s), 4.64 (2H, d, $J = 6.8$), 5.51 (1H, br t, $J = 6.8$), 7.08 (1H,
		[d, J = 8.6), 7.20 (1H, dd, J = 2.2, 8.6), 7.28 (1H, d. J = 2.2), 7.60 (1H, t. J = 2.2)
!		7.6), 7.73 (1H, d, $J = 7.6$), 8.67 (1H, d, $J = 7.6$), 8.75 (1H, s)
	Ia-182	155-156 °C, 1H-NMR (CDCl ₃) 8 2.41 (3H, s), 4.06 (3H, s), 5.17 (2H, s), 5.75
20		(1H, s), 6.76 (1H, dd, $J = 2.0$, 8.3), 6.90 (1H, d, $J = 2.0$), 7.02 (1H, d, $J = 2.0$)
	j	8.3), 7.40-7.48 (5H, m), 7.65 (1H, t, $J = 8.1$), 8.31 (1H, ddd, $J = 1.2$, 2.5,
		8.1), 8.83 (1H, ddd, J = 1.2, 1.5, 8.1), 9.31 (1H, dd, J = 1.5, 2.5)
	Ia-183	160-167 °C, 'H-NMR (CDCl ₃) δ 2.44 (3H, s), 3.12 (3H, s), 4.06 (3H, s), 5.19
25	}	(2H, s), 7.16 (1H, d, $J = 8.5$), 7.22 (1H, dd, $J = 2.2, 8.5$), 7.31 (1H, d, $J = 3.5$)
25		[2.2), 7.38-7.49 (5H, m), 7.65 (1H, t, $J = 8.1$), 8.32 (1H, ddd, $J = 1.2$, 2.4,
į		8.3), 8.83 (1H, ddd, $J = 1.2$, 1.5, 8.3), 9.31 (1H, dd, $J = 1.5$, 2.4)
1	Ia-184	153-155 °C, ¹ H-NMR (CDCl ₃) 2.40 (3H, s), 3.11 (3H, s), 4.02 (3H, s), 5.17
		(2H, s), 6.81 (1H, ddd, J = 1.2, 2.5, 7.8), 7.14 (1H, d, J = 8.5), 7.20 (1H, dd,
30		J = 2.2, 8.5, 7.27 (1H, t, $J = 7.8$), 7.30 (1H, d, $J = 2.2$), 7.37-7.48 (5H, m),
		7.81 (1H, dd, $J = 1.5, 2.5$), 7.88 (1H, ddd, $J = 1.2, 1.5, 7.8$)
	Ia-185	143-144 °C, 'H-NMR (CDCl ₃) & 2.22 (3H, s), 2.40 (3H, s), 3.11 (3H, s), 4.03
		(3H, s), 5.17 (2H, s), 7.14 (1H, d, J = 8.6), 7.21 (1H, dd, J= 2.0, 8.6), 7.30
		(1H, d. $J = 2.0$), 7.31 (1H, s), 7.37-7.48 (6H, m), 7.91 (1H, br d, $J = 8.1$),
35	7 100	8.23 (1H, br d, J = 8.1). 8.35 (1H, br s) 171-172 °C, 'H-NMR (CDCl ₃) δ 2.40 (3H, s), 3.05 (3H, s). 3.12 (3H, s), 4.02
	Ia-186	(3H, s), 5.18 (2H, s), 6.59 (1H, br s), 7.14 (1H, d, J = 8.6), 7.20 (1H, dd, J=
		(3H, s), 5.18 (2H, s), 6.39 (1H, or s), 7.14 (11, d, $9 - 6.3$), 7.20 (1H, dd, $9 - 6.3$), 7.30 (1H, d, $9 - 6.3$), 7.30 (1H, d, $9 - 6.3$), 7.30 (1H, d, $9 - 6.3$), 7.30 (1H, dt, $9 - 6.3$), 7.30 (1H, br s), 8.31 (1H,
	Ia-187	br d, J = 6.8) 165-167 °C, 'H-NMR (CDCl ₃) 1.77 (3H, s), 1.83 (3H, s), 2.39 (3H, s), 3.05
40	18-101	(3H, s), 4.03 (3H, s), 4.6 (2H, d, J = 6.8), 5.5 (1H, br t, J = 6.8), 5.74 (1H,
		(sh, s), 4.05 (sh, s), 4.0 (211, d, $g = 0.0$), 0.9 (111, b) (sh, s), 6.45 (1H, br s), 6.73 (1H, dd, $J = 2.2$, 8.3), 6.86 (1H, d, $J = 2.2$), 6.94
		(1H. d. J = 8.3), 7.45-7.52 (2H. m), 8.24 (1H. m), 8.30-8.34 (1H. m)
	Ia-188	150-151 °C, 'H-NMR (CDCl ₃) δ 1.58 (3H, s), 1.67 (3H, s), 2.41 (3H, s), 2.96
45	12.100	(3H, s), 3.12 (3H, s), 4.03 (3H, s), 4.36 (2H, d, J = 7.3), 5.18 (2H, s), 5.29
		(1H, br t, $J=7.3$), 7.15 (1H, d, $J=8.6$), 7.20 (1H, dd, $J=2.0, 8.6$), 7.29 (1H,
		d. J = 2.0). 7.37-7.48 (7H, m), 8.42-8.45 (2H, m)
	Ia-189	91-94 °C. ¹ H-NMR (CDCl ₃) 1.58 (3H, s), 1.67 (3H, s), 1.77 (3H, s), 1.83
	14-103	(3H, s), 2.38 $(3H, s)$, 2.96 $(3H, s)$, 4.02 $(3H, s)$, 4.36 $(2H, d, J = 6.8)$, 4.62
50		(2H, d, $J = 6.8$), 5.29 (1H, br t, $J = 6.8$), 5.52 (1H, br t, $J = 6.8$), 5.76 (1H.)
		(s), 6.73 (1H, dd. $J = 2.2$, 8.3), 6.86 (1H, d, $J = 2.2$), 6.94 (1H, d, $J = 8.3$),
		7.45-7.51 (2H. m). 8.42-8.46 (2H. m)
ł	<u></u>	17.30-1.01 (211. III), C.32-0.30 (211. III)

Table 96

Ia-190	110-111 °C, ¹H-NMR (CDCl₃) δ 1.58 (3H, s), 1.67 (3H, s), 1.77 (3H. s), 1.82
	(3H, s), 2.41 $(3H, s)$, 2.97 $(3H, s)$, 3.23 $(3H, s)$, 4.02 $(3H, s)$, 4.36 $(2H, d, J = 1)$
	[7.1), 4.64 (2H, d, $J = 7.1$), 5.29 (1H, br t, $J = 7.1$), 5.51 (1H, br t, $J = 7.1$),
	7.08 (1H, d, J = 8.5), 7.19 (1H, dd, J = 2.0, 8.5), 7.27 (1H, d, J = 2.0),
	7.46-7.52 (2H. m), 8.43 (2H. m)
Ia-191	131-132 °C
	171.5-172 °C, ¹ H-NMR (CDCl ₃) δ 2.40 (3H, s), 3.11 (3H, s), 3.89 (3H, s),
Ia-192	
	5.18 (2H, s), 7.15 (1H, d, J = 8.6), 7.22 (1H, dd, J = 2.0, 8.6), 7.30 (1H, d, J
	= 2.0), 7.38-7.50 (5H, m), 7.56 (1H, ddd, J = 1.5, 7.6, 7.6), 7.66 (1H, ddd, J
	= 1.5, 7.6, 7.6), 7.73 (1H, dd, $J = 1.5, 7.6), 8.17$ (1H, dd, $J = 1.5, 7.6$)
Ia-194	249-251 °C, ¹H-NMR (CDCls) δ 2.27 (3H, s), 2.45 (3H, s), 3.12 (3H, s), 4.05
	(3H, s), 5.30 $(2H, s)$, 7.13-7.24 $(3H, m)$, 7.31 $(1H, d, J = 2.0)$, 7.38-7.50
	(6H, m), 8.62 (1H, dd, $J = 1.7$, 8.3), 8.73 (1H, br d, $J = 8.1$), 13.18 (1H, br
	s)
Ia-195	180-181 °C, 1H-NMR (CDCl ₃) & 1.77 (3H, s), 1.83 (3H. s), 2.27 (3H, s), 2.42
	(3H, s). 4.04 $(3H, s)$, 4.63 $(2H, d. J = 6.8)$, 5.53 $(1H, br t. J = 6.8)$, 5.77 $(1H, br t. J = 6.8)$
	s). 6.76 (1H, dd, $J = 2.0$, 8.3), 6.88 (1H, d, $J = 2.0$), 6.96 (1H, d, $J = 8.3$),
	7.16 (1H, ddd, $J = 1.2$, 7.0, 8.1), 7.46 (1H, ddd, $J = 1.7$, 7.0, 8.5), 8.63 (1H,
	dd. J = 1.7. 8.1), 8.73 (1H, br d. J = 8.5), 13.28 (1H, br s)
Ia-196	169-170 °C, 'H-NMR (CDCl ₃) & 1.77 (3H, s), 1.82 (3H, s), 2.27 (3H, s), 2.45
14 100	(3H. s), 3.23 (3H, s), 4.04 (3H, s), 4.65 (2H, d, J = 6.8), 5.52 (1H, br t, J=
	[6.8], 7.16 (1H, ddd, $J = 1.2$, 7.3, 8.1), 7.22 (1H, dd, $J = 2.2$, 8.6), 7.29 (1H,
	d, $J = 2.2$), 7.47 (1H, ddd, $J = 1.5$, 7.3, 8.1), 8.62 (1H, dd, $J = 1.5$, 8.1), 8.73
	(1H, br d, J = 8.1). 13.21 (1H, br s)
Ia-197	176-178 °C, ¹H-NMR (CDCl ₃) δ 2.45 (3H, s), 3.03 (3H, s), 3.12 (3H, s), 4.05
18-191	(3H, s), 5.18 (2H, s), 7.14-7.24 (3H, m), 7.30 (1H, d, J = 2.0), 7.38-7.51
•	(6H, m), 7.76 (1H, dd, $J = 1.0$, 8.3), 8.69 (1H, dd, $J = 1.7$, 8.1), 13.19 (1H,
	(br. in), 7.76 (111, dd, 3 = 1.0, 8.3), 8.03 (111, dd, 3 = 1.1, 8.1), 18.13 (111, br.s)
Ia-199	157-158 °C, ¹ H-NMR (CDCl ₃) δ 1.36 (3H, t, J = 6.7), 2.42 (3H, s), 3.11 (3H,
18-133	
	(s), 4.54 (2H, q, $J = 6.7$), 5.18 (2H, s), 7.14 (1H, d, $J = 7.9$), 7.21 (1H, dd, $J = 7.9$), 7.21 (1H
T 000	1.8, 8.5), 7.32 (1H, d, J = 2.4), 7.37-7.49 (8H, m), 8.43-8.48 (2H, m)
Ia-200	122-123 °C, 'H-NMR (CDCl ₃) δ 1.36 (3H, t, J = 7.3), 2.39 (3H, s), 2.40 (3H,
	s), 4.54 (2H, q, J = 7.3), 5.11 (2H, s), 5.69 (1H, s), 6.76 (1H, dd, J = 1.8,
	[8.5], 6.89 (1H, d, $J = 1.8$), 7.00 (1H, d, $J = 8.5$), 7.22-7.50 (3H, m), 8.42-
	8.48 (2H, m)
Ia-201	147-148 °C, 'H-NMR (CDCL) δ 1.36 (3H, t, J = 6.7), 2.39 (3H, s), 2.42 (3H.
	(s), 3.10 (3H, s), 4.54 (2H, q, $J = 6.7$), 5.13 (2H, s), 7.14 (1H, d, $J = 8.5$),
	[7.18-7.28 (3H, m), 7.31 (1H, d, J = 1.8), 7.36 (2H, d, J = 8.5), 7.46-7.50]
	(3H. m), 8.43-8.48 (2H, m)
Ia-202	99-100 °C, ¹ H-NMR (CDCl ₃) δ 1.36 (3H, s), 1.77 (3H, s), 1.83 (3H, s), 2.39
	(3H, s), 4.54 (2H, q, J = 7.3), 4.62 (2H, d, J = 6.7), 5.53 (1H, br t, J = 6.7),
	[5.72 (1H, s), 6.75 (1H, dd, J = 2.4, 8.5), 6.87 (1H, d, J = 2.4), 6.93 (1H, d, J = 2.4),
	= 8.5), 7.42-7.52 (3H. m), 8.42-8.50 (2H. m)
Ia-203	128-129 °C, 1H-NMR (CDCl ₃) & 1.37 (3H, t, J = 6.7), 1.77 (3H, s), 1.82 (3H,
	s), 2.42 (3H, s), 3.22 (3H, s), 5.34 (2H, q, $J = 6.7$), 4.63 (2H, d, $J = 6.7$), 5.51
	(1H, br t, $J = 6.7$), 7.06 (1H, d, $J = 8.5$), 7.20 (1H, dd, $J = 2.4$, 8.5), 7.30
	(1H, d, J = 1.8), 7.45-7.49 (3H, m), 8.43-8.48 (2H, m)
Ia-206	oil, 'H-NMR (CDCl ₃) δ 1.33 (6H, d, J = 6.1). 2.38 (3H, s), 5.16 (2H. s). 5.55
14-200	(1H, sept. J = 6.1), 5.68 (1H, s), 6.75 (1H, dd, J = 1.8, 8.5), 6.89 (1H, d, J = 1.8, 8.5)
	11.8). 6.99 (1H. d. J = 8.5). 7.36-7.48 (8H. m). 8.42-8.47 (2H. m)
	a. n 99 i.e. a x a / 30a. (45 i88) M.L. a. 42:6.4 i.l.(40 i81)

Table 97

	Ia-207	123-124 °C, ¹ H-NMR (CDCl ₃) δ 1.33 (3H, s), 1.36 (3H, s), 2.41 (3H, s), 3.11
5		(3H, s), 5.18 $(2H, s)$, 5.55 $(1H, sept, J = 6.1)$, 7.13 $(1H, d, J = 8.5)$, 7.20
		(1H, dd, J = 1.8, 8.5), 7.31 (1H, d, J = 1.8), 7.37-7.50 (8H, m), 8.42-8.46
		(2H. m)
	Ia-208	157-158 °C, 'H-NMR (CDCl ₃) δ 1.32 (3H, s), 1.34 (3H, s), 2.38 (3H, s), 2.40
		(3H, s), 5.11 (2H, s), 5.55 (1H, sept, $J = 6.1$), 5.68 (1H, s), 6.75 (1H, dd, $J =$
10		(2.4, 8.5), (6.88) (1H, d, $(J = 2.4)$), (6.99) (1H, d, $(J = 8.5)$), (7.24) (1H, d, $(J = 7.9)$),
		7.36 (2H, d, J = 7.9), 7.45-7.52 (3H, m), 8.42-8.47 (2H, m)
	Ia-209	159-160 °C, 'H-NMR (CDCl ₃) δ 1.33 (3H, s), 1.35 (3H, s), 2.39 (3H, s), 2.41
	14 200	(3H, s), 3.10 $(3H, s)$, 5.13 $(2H, s)$, 5.55 $(1H, sept. J = 6.1)$, 7.13 $(1H, d, J = 6.1)$
	}	[7.9], 7.18 (1H, d, $J = 1.8$), 7.23 (1H, d, $J = 7.3$), 7.30 (1H, d, $J = 1.8$), 7.36
15		(2H, d. J = 7.9), 7.44-7.49 (3H, m), 8.42-8.46 (2H, m)
	Ia-210	113-114 °C, 'H-NMR (CDCl ₂) δ 1.32 (3H, s), 1.34 (3H, s), 1.77 (3H, s), 1.83
	14-210	(3H, s), 2.38 (3H, s), 4.62 (2H, d, J = 7.3), 5.49-5.59 (2H, m), 5.70 (1H, s),
	{	$[6.73 \text{ (1H, dd. } J = 2.4, 8.5), 6.86 \text{ (1H, d, } J = 2.4), 6.92 \text{ (1H, d. } J = 8.5),}]$
	[7.45-7.50 (3H, m). 8.42-8.46 (2H, m)
20	Ia-211	128-129 °C, ¹H-NMR (CDCl ₃) & 1.33 (3H, s), 1.35 (3H. s), 1.77 (3H, s), 1.82
	14-211	(3H, s), 2.41 (3H, s), 3.22 (3H, s), 4.64 (2H, d, J = 6.7), 5.49-5.60 (2H, m),
	ł	7.05 (1H, d, J = 8.5), 7.18 (1H, dd, J = 1.8, 8.5), 7.29 (1H, d, J = 2.4),
	(7.45-7.49 (3H, m), 8.42-8.46 (2H, m)
	Ia-214	110-111 °C, 'H-NMR (CDCl ₃) δ 1.24 (3H, t, J = 7.6), 2.65 (2H, q, J = 7.6),
25	14.214	4.02 (3H. s), 5.16 (2H, s), 5.71 (1H, s), 6.74 (1H, dd, $J = 2.0, 8.3$), 6.88 (1H,
	į	d. $J = 2.0$). 7.01 (1H. d. $J = 8.3$), 7.41-7.49 (8H, m), 8.48-8.53 (2H. m)
	Ia-215	$161 \cdot 162$ °C, 'H-NMR (CDCl ₃) δ 1.25 (3H, t, J = 7.6), 2.66 (2H, q, J = 7.6),
	1a-210	3.11 (3H, s), 4.02 (3H, s), 5.17 (2H, s), 7.14 (1H, d, J = 8.5), 7.18 (1H, dd, J
		= 2.0, 8.5, 7.28 (1H, d. J = 2.0), 7.37-7.49 (8H, m), 8.49-8.53 (2H, m)
30	Ia-216	$121 \cdot 122$ °C, ¹ H-NMR (CDCl ₃) δ 1.24 (3H, t, J = 7.6), 2.40 (3H, s), 2.65 (2H,
	14-210	q, $J = 7.6$). 4.02 (3H, s), 5.11 (2H, s), 5.70 (1H, s), 6.74 (1H, dd. $J = 2.0$,
	1	[8.3], 6.87 (1H, d, $J = 2.0$), 7.01 (1H, d, $J = 8.3$), 7.24 (2H, d, $J = 8.1$), 7.34
	1	(2H. d. J = 8.1), 7.46-7.50 (3H. m), 8.49-8.53 (2H. m)
95	Ia-217	184-185 °C, 'H-NMR (CDCl ₃) & 1.25 (3H, t, J = 7.6), 2.39 (3H, s), 2.66 (2H,
35	14-21	q, $J = 7.6$), 3.10 (3H, s), 4.02 (3H, s), 5.13 (2H, s), 7.14 (1H, d, $J = 8.6$), 7.18
	1	(1H, dd, $J = 2.0, 8.6$), 7.22 (2H, d, $J = 7.8$), 7.27 (1H, d, $J = 2.0$), 7.36 (2H,
	1	d. J = 7.8). 7.47-7.51 (3H. m), 8.49-8.53 (2H. m)
	Ia-218	119-120 °C, 'H-NMR (CDCl ₃) & 1.24 (3H, t, J = 7.6), 1.77 (3H, s), 1.83 (3H,
40	14 310	s), 2.65 (2H, q, $J = 7.6$), 4.02 (3H, s), 4.62 (2H, d, $J = 6.8$), 5.51 (1H, br t. J
	}	= 6.8), 5.73 (1H. s), 6.73 (1H, dd, $J = 2.0$, 8.3), 6.85 (1H, d, $J = 2.0$), 6.94
	Í	(1H. d. J = 8.3), 7.46-7.50 (3H. m), 8.49-8.53 (2H. m)
	Ia-219	$141-142$ °C, ¹ H-NMR (CDCl ₃) δ 1:25 (3H, t, J = 7.6), 1.77 (3H, s), 1.82 (3H,
	18-210	(s), 2.66 (2H, q, $J = 7.6$), 3.22 (3H, s), 4.02 (3H, s), 4.63 (2H, d, $J = 6.6$). 5.51
45		(1H. br t, $J = 6.6$), 7.07 (1H, d, $J = 8.5$), 7.17 (1H, dd, $J = 2.0.8.5$). 7.26
	1	(1H. d, J = 2.0). 7.46-7.50 (3H. m). 8.49-8.53 (2H. m)
	Ia-222	187-189 °C. 'H-NMR (CDCl ₃) δ 5.18 (2H, s), 5.76 (1H, s), 6.93 (1H, dd, $J =$
	10-222	2.2, 8.3). 7.04 (1H, d, $J = 8.6$), 7.05 (1H, d, $J = 2.2$), 7.42-7.58 (8H, m),
	}	8.45-8.49 (2H, m), 8.97 (1H, s)
50	Ia-223	163-166 °C, 'H-NMR (CDCl ₃) δ 3.13 (3H. s), 5.21 (2H, s), 7.19 (1H, d, J =
	14-225	8.5), 7.36 (1H, dd, J = 2.0, 8.5), 7.38-7.54 (9H, m), 8.45-8.49 (2H, m), 8.99
	}	
	L	(2H, s)

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Ia-224 165-166 °C, ¹H-NMR (CDCl ₃) δ 1.78 (3H, s), 1.83 (3H, s), 4.65 (2H, d, J = 6.8), 5.53 (1H, t, J = 6.8), 5.77 (1H, s), 6.92 (1H, dd, J = 2.0, 8.3), 6.97 (1H, d, J = 8.3), 7.02 (1H, d, J = 2.0), 7.54-7.58 (3H, m), 8.45-8.48 (2H, m), 8.97 (1H, s) Ia-226 118-119 °C, ¹H-NMR (CDCl ₃) δ 3.87 (3H, s), 5.17 (2H, s), 5.79 (1H, s), 6.88 (1H, dd, J = 2.2, 8.3), 7.01 (1H, d, J = 8.3), 7.03 (1H, d, J = 2.2), 7.39-7.52 (8H, m), 8.48-8.51 (2H, m), 8.90 (1H, s) Ia-227 117-118 °C, ¹H-NMR (CDCl ₃) δ 3.13 (3H, s), 3.90 (3H, s), 5.19 (2H, s), 5.79 (1H, s), 7.18 (1H, d, J = 8.6), 7.33 (1H, dd, J = 2.2, 8.3), 7.40 (1H, d, J = 2.2), 7.41-7.53 (8H, m), 8.48-8.52 (2H, m), 8.90 (1H, s) Ia-229 92-94 °C, ¹H-NMR (CDCl ₃) δ 1.77 (3H, s), 1.83 (3H, s), 3.87 (3H, s), 4.63 (2H, d, J = 6.8), 5.51 (1H, t, J = 6.8), 5.78 (1H, s), 6.88 (1H, dd, J = 2.0, 8.3), 6.95 (1H, d, J = 8.3), 7.00 (1H, d, J = 2.0), 7.49-7.51 (3H, m), 8.47-8.51 (2H, m), 8.90 (1H, s) Ia-230 134-135 °C, ¹H-NMR (CDCl ₃) δ 1.77 (3H, s), 1.82 (3H, s), 3.23 (3H, s), 3.91 (3H, s), 4.65 (2H, d, J = 6.6), 5.49 (1H, t, J = 6.6), 7.11 (1H, d, J = 8.3), 7.32 (1H, dd, J = 2.0, 8.3), 7.37 (1H, d. J = 2.0), 7.49-7.54 (3H, m), 8.48-8.52 (2H, m), 8.90 (1H, s) Ia-232 151-152 °C, ¹H-NMR (CDCl ₃) δ 2.14 (3H, s), 3.13 (3H, s), 5.21 (2H, s), 7.19
d, J = 8.3), 7.02 (1H, d, J = 2.0), 7.54-7.58 (3H, m), 8.45-8.48 (2H, m), 8.97 (1H, s) Ia-226
[1H. s] Ia-226 I18-119 °C, 'H-NMR (CDCl ₃) δ 3.87 (3H, s), 5.17 (2H, s), 5.79 (1H, s), 6.88 (1H, dd, J = 2.2, 8.3), 7.01 (1H, d, J = 8.3), 7.03 (1H, d, J = 2.2), 7.39-7.52 (8H, m), 8.48-8.51 (2H, m), 8.90 (1H, s) Ia-227 I17-118 °C, 'H-NMR (CDCl ₃) δ 3.13 (3H, s), 3.90 (3H, s), 5.19 (2H, s), 5.79 (1H, s), 7.18 (1H, d, J = 8.6), 7.33 (1H, dd, J = 2.2, 8.3), 7.40 (1H, d, J = 2.2), 7.41-7.53 (8H, m), 8.48-8.52 (2H, m), 8.90 (1H, s) Ia-229 92-94 °C, 'H-NMR (CDCl ₃) δ 1.77 (3H, s), 1.83 (3H, s), 3.87 (3H, s), 4.63 (2H, d, J = 6.8), 5.51 (1H, t, J = 6.8), 5.78 (1H, s), 6.88 (1H, dd, J = 2.0, 8.3), 6.95 (1H, d, J = 8.3), 7.00 (1H, d, J = 2.0), 7.49-7.51 (3H, m), 8.47-8.51 (2H, m), 8.90 (1H, s) Ia-230 I34-135 °C, 'H-NMR (CDCl ₃) δ 1.77 (3H, s), 1.82 (3H, s), 3.23 (3H, s), 3.91 (3H, s), 4.65 (2H, d, J = 6.6), 5.49 (1H, t, J = 6.6), 7.11 (1H, d, J = 8.3), 7.32 (1H, dd, J = 2.0, 8.3), 7.37 (1H, d, J = 2.0), 7.49-7.54 (3H, m), 8.48-8.52 (2H, m), 8.90 (1H, s)
Ia-226
(1H, dd, J = 2.2, 8.3), 7.01 (1H, d, J = 8.3), 7.03 (1H, d, J = 2.2), 7.39-7.52 (8H, m). 8.48-8.51 (2H, m), 8.90 (1H, s) Ia-227 117-118 °C, 'H-NMR (CDCl ₃) δ 3.13 (3H, s), 3.90 (3H, s), 5.19 (2H, s), 5.79 (1H, s), 7.18 (1H, d, J = 8.6), 7.33 (1H, dd, J = 2.2, 8.3), 7.40 (1H, d, J = 2.2), 7.41-7.53 (8H, m). 8.48-8.52 (2H, m). 8.90 (1H, s) Ia-229 92-94 °C, 'H-NMR (CDCl ₃) δ 1.77 (3H, s), 1.83 (3H, s), 3.87 (3H, s), 4.63 (2H, d, J = 6.8), 5.51 (1H, t, J = 6.8), 5.78 (1H, s), 6.88 (1H, dd, J = 2.0, 8.3), 6.95 (1H, d, J = 8.3), 7.00 (1H, d, J = 2.0), 7.49-7.51 (3H, m), 8.47-8.51 (2H, m), 8.90 (1H, s) Ia-230 134-135 °C, 'H-NMR (CDCl ₃) δ 1.77 (3H, s), 1.82 (3H, s), 3.23 (3H, s), 3.91 (3H, s), 4.65 (2H, d, J = 6.6), 5.49 (1H, t, J = 6.6), 7.11 (1H, d, J = 8.3), 7.32 (1H, dd, J = 2.0, 8.3), 7.37 (1H, d. J = 2.0), 7.49-7.54 (3H, m), 8.48-8.52 (2H, m), 8.90 (1H, s)
(8H. m). 8.48-8.51 (2H. m), 8.90 (1H. s) Ia-227 117-118 °C, 'H-NMR (CDCl ₃) δ 3.13 (3H. s), 3.90 (3H, s), 5.19 (2H, s), 5.79 (1H, s), 7.18 (1H, d, J = 8.6), 7.33 (1H, dd, J = 2.2, 8.3), 7.40 (1H, d, J = 2.2), 7.41-7.53 (8H, m), 8.48-8.52 (2H, m), 8.90 (1H. s) Ia-229 92-94 °C, 'H-NMR (CDCl ₃) δ 1.77 (3H, s), 1.83 (3H, s), 3.87 (3H, s), 4.63 (2H, d, J = 6.8), 5.51 (1H, t, J = 6.8), 5.78 (1H, s), 6.88 (1H, dd, J = 2.0, 8.3), 6.95 (1H, d, J = 8.3), 7.00 (1H, d, J = 2.0), 7.49-7.51 (3H, m), 8.47-8.51 (2H, m), 8.90 (1H, s) Ia-230 134-135 °C, 'H-NMR (CDCl ₃) δ 1.77 (3H, s), 1.82 (3H, s), 3.23 (3H, s), 3.91 (3H, s), 4.65 (2H, d, J = 6.6), 5.49 (1H, t, J = 6.6), 7.11 (1H, d, J = 8.3), 7.32 (1H, dd, J = 2.0, 8.3), 7.37 (1H, d. J = 2.0), 7.49-7.54 (3H, m), 8.48-8.52 (2H, m), 8.90 (1H, s)
(8H. m). 8.48-8.51 (2H. m), 8.90 (1H. s) Ia-227 117-118 °C, 'H-NMR (CDCl ₃) δ 3.13 (3H. s), 3.90 (3H, s), 5.19 (2H, s), 5.79 (1H, s), 7.18 (1H, d, J = 8.6), 7.33 (1H, dd, J = 2.2, 8.3), 7.40 (1H, d, J = 2.2), 7.41-7.53 (8H, m), 8.48-8.52 (2H, m), 8.90 (1H. s) Ia-229 92-94 °C, 'H-NMR (CDCl ₃) δ 1.77 (3H, s), 1.83 (3H, s), 3.87 (3H, s), 4.63 (2H, d, J = 6.8), 5.51 (1H, t, J = 6.8), 5.78 (1H, s), 6.88 (1H, dd, J = 2.0, 8.3), 6.95 (1H, d, J = 8.3), 7.00 (1H, d, J = 2.0), 7.49-7.51 (3H, m), 8.47-8.51 (2H, m), 8.90 (1H, s) Ia-230 134-135 °C, 'H-NMR (CDCl ₃) δ 1.77 (3H, s), 1.82 (3H, s), 3.23 (3H, s), 3.91 (3H, s), 4.65 (2H, d, J = 6.6), 5.49 (1H, t, J = 6.6), 7.11 (1H, d, J = 8.3), 7.32 (1H, dd, J = 2.0, 8.3), 7.37 (1H, d. J = 2.0), 7.49-7.54 (3H, m), 8.48-8.52 (2H, m), 8.90 (1H, s)
Ia-227 117-118 °C, 'H-NMR (CDCl ₃) δ 3.13 (3H, s), 3.90 (3H, s), 5.19 (2H, s), 5.79 (1H, s), 7.18 (1H, d, J = 8.6), 7.33 (1H, dd, J = 2.2, 8.3), 7.40 (1H, d, J = 2.2), 7.41-7.53 (8H, m), 8.48-8.52 (2H, m), 8.90 (1H, s) Ia-229 92-94 °C, 'H-NMR (CDCl ₃) δ 1.77 (3H, s), 1.83 (3H, s), 3.87 (3H, s), 4.63 (2H, d, J = 6.8), 5.51 (1H, t, J = 6.8), 5.78 (1H, s), 6.88 (1H, dd, J = 2.0, 8.3), 6.95 (1H, d, J = 8.3), 7.00 (1H, d, J = 2.0), 7.49-7.51 (3H, m), 8.47-8.51 (2H, m), 8.90 (1H, s) Ia-230 134-135 °C, 'H-NMR (CDCl ₃) δ 1.77 (3H, s), 1.82 (3H, s), 3.23 (3H, s), 3.91 (3H, s), 4.65 (2H, d, J = 6.6), 5.49 (1H, t, J = 6.6), 7.11 (1H, d, J = 8.3), 7.32 (1H, dd, J = 2.0, 8.3), 7.37 (1H, d, J = 2.0), 7.49-7.54 (3H, m), 8.48-8.52 (2H, m), 8.90 (1H, s)
(1H, s), 7.18 (1H, d, J = 8.6), 7.33 (1H, dd, J = 2.2, 8.3), 7.40 (1H, d, J = 2.2), 7.41-7.53 (8H, m), 8.48-8.52 (2H, m), 8.90 (1H, s) Ia-229 92-94 °C, 'H-NMR (CDCl ₃) δ 1.77 (3H, s), 1.83 (3H, s), 3.87 (3H, s), 4.63 (2H, d, J = 6.8), 5.51 (1H, t, J = 6.8), 5.78 (1H, s), 6.88 (1H, dd, J = 2.0, 8.3), 6.95 (1H, d, J = 8.3), 7.00 (1H, d, J = 2.0), 7.49-7.51 (3H, m), 8.47-8.51 (2H, m), 8.90 (1H, s) Ia-230 134-135 °C, 'H-NMR (CDCl ₃) δ 1.77 (3H, s), 1.82 (3H, s), 3.23 (3H, s), 3.91 (3H, s), 4.65 (2H, d, J = 6.6), 5.49 (1H, t, J = 6.6), 7.11 (1H, d, J = 8.3), 7.32 (1H, dd, J = 2.0, 8.3), 7.37 (1H, d. J = 2.0), 7.49-7.54 (3H, m), 8.48-8.52 (2H, m), 8.90 (1H, s)
2.2), 7.41-7.53 (8H, m), 8.48-8.52 (2H, m), 8.90 (1H, s) Ia-229 92-94 °C, 'H-NMR (CDCl ₃) δ 1.77 (3H, s), 1.83 (3H, s), 3.87 (3H, s), 4.63 (2H, d, J = 6.8), 5.51 (1H, t, J = 6.8), 5.78 (1H, s), 6.88 (1H, dd, J = 2.0, 8.3), 6.95 (1H, d, J = 8.3), 7.00 (1H, d, J = 2.0), 7.49-7.51 (3H, m), 8.47-8.51 (2H, m), 8.90 (1H, s) Ia-230 134-135 °C, 'H-NMR (CDCl ₃) δ 1.77 (3H, s), 1.82 (3H, s), 3.23 (3H, s), 3.91 (3H, s), 4.65 (2H, d, J = 6.6), 5.49 (1H, t, J = 6.6), 7.11 (1H, d, J = 8.3), 7.32 (1H, dd, J = 2.0, 8.3), 7.37 (1H, d. J = 2.0), 7.49-7.54 (3H, m), 8.48-8.52 (2H, m), 8.90 (1H, s)
Ia-229 92-94 °C, 'H-NMR (CDCl ₃) δ 1.77 (3H, s), 1.83 (3H, s), 3.87 (3H, s), 4.63 (2H, d, J = 6.8), 5.51 (1H, t, J = 6.8), 5.78 (1H, s), 6.88 (1H, dd, J = 2.0, 8.3), 6.95 (1H, d, J = 8.3), 7.00 (1H, d, J = 2.0), 7.49-7.51 (3H, m), 8.47-8.51 (2H, m), 8.90 (1H, s) Ia-230 134-135 °C, 'H-NMR (CDCl ₃) δ 1.77 (3H, s), 1.82 (3H, s), 3.23 (3H, s), 3.91 (3H, s), 4.65 (2H, d, J = 6.6), 5.49 (1H, t, J = 6.6), 7.11 (1H, d, J = 8.3), 7.32 (1H, dd, J = 2.0, 8.3), 7.37 (1H, d. J = 2.0), 7.49-7.54 (3H, m), 8.48-8.52 (2H, m), 8.90 (1H, s)
(2H, d, J = 6.8), 5.51 (1H, t, J = 6.8), 5.78 (1H, s), 6.88 (1H, dd, J = 2.0, 8.3), 6.95 (1H, d, J = 8.3), 7.00 (1H, d, J = 2.0), 7.49-7.51 (3H, m), 8.47-8.51 (2H, m), 8.90 (1H, s) Ia-230
8.3), 6.95 (1H, d, J = 8.3), 7.00 (1H, d, J = 2.0), 7.49-7.51 (3H, m), 8.47-8.51 (2H, m), 8.90 (1H, s) 1a-230
8.51 (2H, m), 8.90 (1H, s) Ia-230 134-135 °C, 'H-NMR (CDCl ₃) δ 1.77 (3H, s), 1.82 (3H, s), 3.23 (3H, s), 3.91 (3H, s), 4.65 (2H, d, J = 6.6), 5.49 (1H, t, J = 6.6), 7.11 (1H, d, J = 8.3), 7.32 (1H, dd, J = 2.0, 8.3), 7.37 (1H, d. J = 2.0), 7.49-7.54 (3H, m), 8.48-8.52 (2H, m), 8.90 (1H, s)
Ia-230 134-135 °C, ¹H-NMR (CDCl ₃) δ 1.77 (3H, s), 1.82 (3H, s), 3.23 (3H, s), 3.91 (3H, s), 4.65 (2H, d, J = 6.6), 5.49 (1H, t, J = 6.6), 7.11 (1H, d, J = 8.3), 7.32 (1H, dd, J = 2.0, 8.3), 7.37 (1H, d, J = 2.0), 7.49-7.54 (3H, m), 8.48-8.52 (2H, m), 8.90 (1H, s)
(3H. s), 4.65 (2H, d. J = 6.6), 5.49 (1H, t, J = 6.6), 7.11 (1H, d, J = 8.3), 7.32 (1H, dd, J = 2.0, 8.3), 7.37 (1H, d. J = 2.0), 7.49-7.54 (3H, m), 8.48-8.52 (2H, m), 8.90 (1H, s)
(1H, dd, J = 2.0, 8.3), 7.37 (1H, d. J = 2.0), 7.49-7.54 (3H, m), 8.48-8.52 (2H, m), 8.90 (1H, s)
(2H, m). 8.90 (1H, s)
Ia-232 151-152 °C, ¹ H-NMR (CDCl ₃) & 2.14 (3H, s), 3.13 (3H, s), 5.21 (2H, s), 7.19
(1H. d. J = 8.5), 7.28 (1H. dd. $J = 2.2$. 8.5), 7.38-7.52 (9H. m), 8.46-8.49
(2H, m). 8.70 (2H, s)
Ia-233 197-198 °C, ¹ H-NMR (CDCl ₃) δ 2.32 (3H, s), 2.60 (3H, s), 3.11 (3H, s), 5.19
(2H. s). 7.18 (2H, br s), 7.28 (1H, m), 7.38-7.50 (8H, s). 8.49-8.53 (2H, m)
Ia-235 184-185 °C, 'H-NMR (CDCl ₃) δ 2.23 (3H, s), 3.04 (3H, d, J = 4.6), 4.55
(1H, br q, J = 4.6), 5.17 (2H, s), 5.82 (1H, s), 6.71 (1H, dd, J = 2.0, 8.1),
6.85 (1H, d, $J = 2.0$), 7.04 (1H, d, $J = 8.1$), 7.39-7.48 (8H, m), 8.44-8.48
(2H. m)
Ia-236 204-205 °C, ¹ H-NMR (CDCl ₃) δ 2.23 (3H, s), 3.05 (3H, d, J = 4.6), 3.13
(3H, s), 4.51 (1H, br q, J = 4.6), 5.19 (2H, s), 7.16 (1H, dd, J = 2.0, 8.6),
[7.19 (1H, d, $J = 8.6$), 7.25 (1H, d, $J = 2.0$), 7.38-7.50 (8H, m), 8.44-8.48
(2H, m)
Ia-238 oil, ¹ H-NMR (CDCl ₂) δ 1.77 (3H, s), 1.82 (3H, s), 2.35 (3H, s), 3.99 (3H, s),
$\begin{array}{ll} \text{(a.66)} & \text{(2H, d. J = 6.7), 4.78 (1H, s), 5.51 (1H, br t, J = 6.7), 5.69 (1H, s), 6.91} \\ \text{(3H, s), 5.51 (1H, br t, J = 6.7), 5.69 (1H, s), 6.91} \end{array}$
(2H, d, J = 8.6). 6.95 (1H, d, $J = 8.6$), 8.01 (1H, dd, $J = 8.6$, 1.8), 8.07 (1H,
d. J = 1.8)
Ia-239 189-190 °C 'H-NMR (CDCls) & 2.34 (3H, s), 3.21 (3H, s), 3.99 (3H, s), 5.20
(2H, s), 5.70 $(1H, s)$, 7.02 $(1H, d, J = 8.6)$, 7.31-7.47 $(9H, m)$, 8.03 $(1H, dd, J = 8.6)$
J = 8.6, 1.8), 8.10 (1H, d, J = 1.8)
Ia-240 190-192 °C, ¹H-NMR (CDCl ₃) δ 2.34 (3H, s), 3.12 (3H, s), 3.21 (3H, s), 4.00
(3H, s), 5.21 $(2H, s)$, 7.14 $(1H, d, J = 8.6)$, 7.28-7.49 $(9H, m)$, 8.41 $(1H, dd, J = 8.6)$
J = 8.6. 2.5), 8.44 (1H, d, J = 2.5)
Ia-241 72-74 °C, 'H-NMR (CDCl ₃) δ 1.78 (3H, s), 1.81 (3H, s), 2.34 (3H, s). 3.21
(3H, s), 3.24 $(3H, s)$, 4.01 $(3H, s)$, 4.67 $(2H, d, J = 6.7)$, 5.50 $(1H, br t, J = 6.7)$
[6.7), $[7.08]$ (1H, d. $J = 8.6$), $[7.28-7.39]$ (4H, m), $[8.39]$ (1H, dd, $[J = 8.5]$, $[1.8)$,
8.42 (1H. s)
Ia-248 228-230 °C, 1 H-NMR (CDCl ₃) δ 5.21 (2H, s), 7.08 (1H, d, J = 9.0), 7.38-
7.56 (8H, m), $7.72-7.76$ (2H, m), 7.85 and 7.88 (each 1H, Abq, $J = 9.0$),
8.13-8.16 (2H, m)
Ia-249 220-221 °C, 'H-NMR (CDCl ₃) δ 3.15 (3H, s), 5.23 (2H, s), 7.24 (1H, d, J =
$\begin{array}{c} 220^{\circ}221^{\circ} \text{ C}, & \text{H-1Mik} \text{ (CDCls) } \text{ 0.5.15 (Mi, 3), 0.25 (211, 3), 0.24 (111, 4, 3)} \\ 8.8), & 7.37.7.58 \text{ (8H. m)}, & 7.89 \text{ and } & 7.93 \text{ (each 1H. Abq. J = 9.0), 8.07 (1H. d.)} \end{array}$
J = 2.2). 8.14-8.17 (2H. m), 8.21 (1H. dd, $J = 2.2$, 8.8)
[0 - 2, 2], 0, 14-0, 1 (211, 111), 0, 21 (111, 114, 0 - 2, 2, 0, 0)

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	Ia-252	185-186 °C, ¹H·NMR (CDCl ₃) δ 1.78 (3H, s), 1.82 (3H, s), 4.66 (2H, d, J =
5		6.8), 5.52 (1H, br t, J = 6.8), 5.66 (1H, br s), 5.78 (1H, s), 6.99-7.03 (3H,
)	m), 7.68 (2H, d, $J = 9.0$), 7.72 (1H, dd, $J = 2.2$, 8.6), 7.82 (2H, s), 8.06 (2H,
		d. J = 8.8
	Ia-253	198-200 °C, ¹H-NMR (CDCl₃) δ 3.15 (3H, s), 3.21 (3H, s), 5.23 (2H, s), 7.24
	·	(1H, d, J = 8.8), 7.38-7.46 (5H, m), 7.47 (2H, d, J = 9.0), 7.91 (2H, s), 8.07
10		(1H. d. J = 2.2), 8.19 (1H. dd. J = 2.2, 8.8), 8.22 (2H. d. J = 9.0)
	Ia-254	192-193 °C, ¹ H-NMR (CDCl ₃) δ 1.78 (3H, s), 1.82 (3H, s), 3.21 (3H, s), 3.25
	j	(3H, s). 4.69 (2H, d, $J = 6.8$), 5.51 (1H, br t, $J = 6.8$), 7.18 (1H, d, $J = 8.8$),
	1.	7.48 (2H, d, J = 9.0), 7.90 (2H, s), 8.03 (1H, d, J = 2.2), 8.22 (1H, dd, J = 2.2)
		2.2, 8.8), 8.23 (2H, d, J = 8.8)
15	Ia-255	233-235 °C, ¹H·NMR (CDCL) δ 3.89 (3H, s), 5.21 (2H, s), 5.75 (1H, s), 7.05
	}	(2H, d, J = 8.8), 7.08 (1H, d, J = 9.0), 7.37-7.47 (5H, m), 7.73-7.75 (2H, m),
		7.81 and 7.83 (each 1H, ABq, J = 9.3), 8.12 (2H, d, J = 8.8)
	Ia-256	212-215 °C, ¹ H-NMR (CDCl ₃) δ 3.15 (3H, s), 3.89 (3H, s), 5.23 (2H, s), 7.07
	1	(2H, d, J = 9.0), 7.23 $(1H, d, J = 8.8), 7.37-7.50$ $(5H, m), 7.84$ and 7.86
20		(each 1H, ABq, $J = 9.3$), 8.05 (1H, d, $J = 2.0$), 8.12 (2H, d, $J = 9.0$), 8.18
		(1H, dd. J = 2.0. 8.8)
	Ia-257	171-174 °C, ¹ H-NMR (CDCl ₃) δ 1.77 (3H, s), 1.82 (3H, s), 3.89 (3H, s), 4.66
		(2H, d, J=6.8), 5.52 (1H, br t, J=6.8), 5.78 (1H, s), 7.01 (1H, d, J=8.3),
25	j	7.05 (2H, d, J = 8.8), 7.69 (1H, d, J = 2.2), 7.73 (1H, dd, J = 2.2, 8.3), 7.81
20		and 7.82 (each 1H, ABq, J = 9.0), 8.11 (2H, d, J = 8.8),
	Ia-258	197-199 °C, 1H-NMR (CDCl ₃) δ 1.78 (3H, s), 1.82 (3H, s), 3.25 (3H, s), 3.90
		(3H, s), 4.68 $(2H, d, J=6.8)$, 5.51 $(1H, brt, J=6.8)$, 7.06 $(2H, d, J=9.0)$.
	}	7.17 (1H, d, $J = 8.8$), 7.84 and 7.85 (each 1H, ABq, $J = 9.3$), 8.00 (1H, d, $J = 9.3$), 8.00
30		= 2.2). 8.12 (2H, d. $J = 9.0$), 8.20 (1H, dd, $J = 2.2$, 8.8)
	Ia-269	198-199 °C, ¹H-NMR (CDCl ₃) δ 4.83 (1H, br s), 5.14 (2H, s), 5.69 (1H, s),
	1	6.85 (2H, d, J = 8.8), 6.92 (1H, d, J = 8.3), 7.09 (1H, dd, J = 2.2, 8.3), 7.13
	j	and 7.14 (each 1H, ABq, $J = 3.9$), 7.23 (1H, d, $J = 2.2$), 7.38-7.45 (5H, m),
		7.49 (2H, d, J = 8.8) 167-168 °C, ¹H-NMR (CDCl ₃) δ 1.76 (3H, s), 1.81 (3H, s), 4.60 (2H, d, J =
35	Ia-271	167-168°C, 14-NWR (UDUI3) 6 1.76 (3H, S), 1.61 (3H, S), 4.60 (2H, U, S)
		6.8), 4.79 (1H, s). 5.50 (1H, br t, J=6.8), 5.71 (1H, s). 6.85 (2H, d, J=8.8), 6.87 (1H, d, J=8.3), 7.09 (1H, dd, J=2.2, 8.3), 7.12 and 7.14 (each 1H,
	Į.	ABq, J = 3.7), 7.20 (1H. d. J = 2.2), 7.50 (2H, d. J = 8.8)
	T. 000	162-164 °C, 'H-NMR (CDCls) & 3.12 (3H, s), 3.17 (3H, s), 5.16 (2H, s), 7.08
	Ia-272	(1H. d. J = 8.6), 7.21 (1H. d. $J = 3.7$), 7.25 (1H. d. $J = 3.7$), 7.31 (2H. d. $J = 3.7$), 7.35 (2H. d. $J = 3.7$), 7.31 (2H. d. $J = 3.7$)
40		[1H. d. $J = 8.8$], 7.21 (1H, d, $J = 3.7$), 7.25 (1H, d, $J = 9.7$), 7.51 (2H, d, $J = 9.7$), 8.8), 7.39-7.44 (5H, m), 7.48 (1H, dd, $J = 2.2$, 8.6), 7.57 (1H, d, $J = 2.2$),
	To 272	7.64 (2H. d. J = 8.8) $128-129 ^{\circ}\text{C}$, $^{1}\text{H-NMR (CDCl}_{3}) \delta 1.76 (3\text{H, s})$, $1.80 (3\text{H, s})$, $3.17 (3\text{H, s})$, $3.23 ^{\circ}$
	Ia-273	(3H, s), 4.62 (2H, d, J = 6.8). 5.48 (1H, br t, J = 6.8), 7.02 (1H, d, J = 8.5),
45		(3H, 8), 4.82 (2H, d, 3 = 8.8), 5.48 (1H, b) (7.20 (1H, d, J = 3.9), 7.25 (1H, d, J = 3.9), 7.31 (2H, d, J = 8.8), 7.48 (1H, d)
70	1	dd. J = 2.2. 8.5). 7.56 (1H. $d. J = 2.2$), 7.64 (2H. $d. J = 8.8$)
	Ia-275	165-166 °C, 'H-NMR (CDCl ₃) δ 5.14 (4H. s), 5.69 (2H, s), 6.92 (2H, d, J =
	12.215	8.3), 7.09 (2H, dd, $J = 2.2$, 8.3), 7.14 (2H, s), 7.22 (2H, d, $J = 2.2$), 7.37-7.44
50	Ia-280](10H. m) 178-179 °C, ¹H-NMR (CDCL) ô 2.31 (3H, s), 3.11 (3H, s), 4.82 (1H, s), 5.16
	1a-280	(2H, s), 6.84 (2H, d, J = 8.8), 7.01 (1H, s), 7.10 (1H, d, J = 8.6), 7.34-7.48
	1	
	L	(9H. m)

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	:
Ia-281	128-129 °C, 1H-NMR (CDCl ₃) & 1.76 (3H, s), 1.82 (3H, s), 2.31 (3H, s), 4.61
}	(2H, d, J = 6.8), 4.81 (1H, s), 5.51 (1H, br t, J = 6.8), 5.72 (1H, s), 6.83 (2H, s)
1	d, $J = 8.8$), 6.90 (1H, d, $J = 8.3$), 6.96 (1H, dd, $J = 2.2$, 8.3), 7.00 (1H, s),
1	7.08 (1H, d, $J = 2.2$), 7.47 (2H, d, $J = 8.8$)
Ia-282	133-134 °C, ¹H-NMR (CDCl ₃) δ 2.33 (3H, s), 3.12 (3H, s), 3.17 (3H, s), 5.17
10.202	(2H, s), 7.11 (1H, d, $J = 8.6$), 7.12 (1H, s), 7.30 (2H, d, $J = 8.8$), 7.35-7.48
	(7H. m), 7.61 $(2H, d. J = 8.8)$
T. 900	
Ia-283	86-87 °C, ¹H-NMR (CDCl ₃) δ 1.76 (3H, s), 1.81 (3H, s), 2.33 (3H, s), 3.17
	(3H, s), 3.22 (3H, s), 4.63 (2H, d, J = 6.8), 5.49 (1H, br t, J = 6.8), 7.05 (1H, br t, J = 6.
	d, $J = 8.6$), 7.11 (1H, s), 7.29 (2H, d, $J = 8.6$), 7.36 (1H, dd, $J = 2.2$, 8.6),
	7.44 (1H, d, $J = 2.2$), 7.61 (2H, d, $J = 8.8$)
Ia-309	128-129 °C, ¹ H-NMR (CDCl ₃) δ 2.31 (3H, s), 3.64 (3H, s), 5.15 (2H, s), 5.70
	(1H, s), 6.92 $(1H, dd, J = 2.0, 8.3)$, 6.98 $(1H, d, J = 8.3)$, 7.07 $(1H, d, J = 8.3)$
	(2.0). 7.28 (1H, br t. $J = 7.6$), 7.38-7.47 (7H, m), 7.71 (2H, br d. $J = 7.6$)
Ia-310	132-133 °C, ¹ H-NMR (CDCl ₃) δ 2.34 (3H, s), 3.11 (3H, s), 3.65 (3H, s), 5.16
	(2H, s), 7.13 (1H, d, $J = 8.5$), 7.29-7.48 (m 10H), 7.70 (2H, br d, $J = 7.6$)
Ia-311	148-149 °C, ¹ H-NMR (CDCl ₃) δ 2.30 (3H, s), 2.39 (3H, s), 3.64 (3H, s), 5.10
	(2H, s), 5.69 $(1H, s)$, 6.92 $(1H, dd, J = 2.0, 8.3)$, 6.99 $(1H, d, J = 8.3)$, 7.06
}	(1H, d, J = 2.0), 7.23 (2H, d, $J = 8.1$), 7.30 (1H, m), 7.33 (2H, d, $J = 8.1$),
	7.43 (2H, br t. J = 8.1), 7.68-7.72 (2H, m)
Ia-312	146-147 °C, ¹H-NMR (CDCl ₃) & 2.33 (3H, s), 2.38 (3H, s), 3.11 (3H, s), 3.65
10-012	(3H, s), 5.16 (2H, s), 7.13 (1H, d, J = 8.6), 7.22 (2H, d, J = 8.1), 7.29-7.47
	(611, 5), 6.16 (211, 5), 7.15 (111, d, 6 = 8.6), 7.22 (211, d, 6 = 8.1), 7.25-7.47 (7H, m), 7.68-7.72 (2H, m)
7- 212	
Ia-313	78-79 °C, ¹H-NMR (CDCl ₃) & 1.77 (3H, s), 1.82 (3H, s), 2.33 (3H, s), 3.22
}	(3H, s), 3.65 (3H, s), 4.62 (2H, d, J= 6.8), 5.50 (1H, br t, J = 6.8), 7.06 (1H, J= 2.0), 7.06 (7H, J= 2.
T 314	d, J = 8.6), 7.29-7.47 (5H. m), 7.68-7.72 (2H. m)
Ia-314	120-121 °C, 'H-NMR (CDCl ₃) δ 1.77 (3H, s), 1.82 (3H, s), 2.30 (3H, s), 3.64
	(3H, s), 4.61 (2H, d, J=6.8), 5.52 (1H, br t, J=6.8), 5.72 (1H, s), 6.91 (2H,
	br s), 7.04 (1H, br s), 7.27 (1H, br t, $J = 7.3$), 7.43 (2H, br t, $J = 8.3$),
	7.70-7.73 (2H, m)
Ia-315	136-137 °C, 1H-NMR (CDCl ₃) δ 2.31 (3H, s), 3.62 (3H, s), 3.84 (3H, s), 5.16
	(2H. s), 5.71 (1H, s), 6.91-7.01 (4H, m), 7.07 (1H, d, J = 1.8), 7.37-7.48
	(5H. m), 7.61 (2H. d. J=8.9)
Ia-316	120-121 °C, ¹ H-NMR (CDCl ₃) δ 2.32 (3H, s), 3.11 (3H, s), 3.63 (3H, s), 3.84
	(3H. s), 5.16 (2H, s), 6.96 (2H, d, J= 8.9), 7.13 (1H, d, J= 6.8), 7.32-7.49
L	(7H, m), 7.59 (2H, d, J=8.9)
Ia-317	130-131 °C, ¹ H-NMR (CDCl ₃) δ 2.30 (3H, s), 2.39 (3H, s), 3.62 (3H, s), 3.84
	(3H, s), 5.10 $(2H, s)$, 5.70 $(1H, s)$, 6.89-7.00 $(2H, m)$, 6.96 $(2H, d, J = 9.2)$,
	[7.06 (1H, d, J=1.8), 7.23 (2H, d, J=7.9), 7.34 (2H, d, J=7.9), 7.57 (2H, d, J=7.9)]
	J = 9.2
Ia-318	145-146 °C, ¹H-NMR (CDCl ₃) & 2.33 (3H, s), 2.38 (3H, s), 3.10 (3H, s), 3.63
12-510	(3H, s), 3.85 $(3H, s)$, 5.11 $(2H, s)$, 6.97 $(2H, d, J = 8.5)$, 7.12 $(1H, d, J = 8.5)$
1	[8.5], 7.22 (2H, d, J = 7.9), 7.34 (1H, d, J = 8.5), 7.35 (2H, d, J = 7.9), 7.46
T- 210	(1H. d. J = 1.8), 7.57 (2H. d. J = 8.5)
Ia-319	113-114 °C, ¹ H-NMR (CDCl ₃) δ 1.76 (3H, s), 1.82 (3H, s), 2.30 (3H, s), 3.62
1	(3H, s), 3.84 (3H, s), 4.60 (2H, d, J = 6.7), 5.52 (1H, br t. J = 6.7), 6.91 (2H, J =
L	d, J = 1.2), 6.96 (2H, d, J = 9.2), 7.04 (1H, s), 7.58 (2H, d, J= 9.2)

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14	ore lor	
	Ia-320	66-67 °C, 'H-NMR (CDCla) δ 1.76 (3H, s), 1.81 (3H, s), 2.32 (3H, s), 3.22 (3H, s), 3.63 (3H, s),3.85 (3H, s), 4.62 (2H, d, $J = 6.1$), 5.50 (1H, br t, $J = 6.1$), 5.50
	1	(3H, 5), 3.03 (3H, 5), 3.03 (3H, 5), 4.02 (2H, 4, 0 = 0.1), 3.00 (1H, 1H 4, 0 = 0.1)
,		6.1), 6.97 (2H, d, J = 8.5), 7.05 (1H. d, J = 8.5), 7.34 (1H, dd, J = 1.8, 8.5),
		7.44 (1H. d. $J = 1.8$), 7.57 (2H. d. $J = 8.5$)
	Ia-322	152-153 °C. 'H-NMR (CDCl ₃) δ 1.76 (3H, s), 1.82 (3H, s), 2.24 (3H, s), 3.44
	į	(1H, br). 3.84 (3H, s), 4.60 (2H, d. J = 6.7), 5.51 (1H, br t, J = 6.7), 6.78-
0		6.94 (5H, m), 7.33 (2H, d, J = 8.5)
-	[a-323	oil, ¹ H-NMR (CDCl ₃) δ 0.96 (3H, t, J = 7.3), 2.27 (3H, s), 3.82 (3H, s), 4.06
		(2H, q, J = 7.3), 5.13 (2H, s), 6.18 (1H, dd, J = 1.8, 7.9), 6.91-6.97 (4H, m),
		7.32-7.45 (7H, m)
	Ia-324	$108-109$ °C, $^{1}H-NMR$ (CDCl ₃) δ 0.97 (3H, t, J = 7.3), 2.28 (3H, s). 3.12 (3H,
<i>c</i>		s), 3.85 (3H, s), 4.07 (2H, q, $J = 7.3$), 5.17 (2H, s), 6.96 (1H, d, $J = 6.7$),
5		7.11 (1H. d. J = 8.5). 7.24-7.49 (9H, m)
	Ia-325	oil, ¹ H-NMR (CDCl ₃) δ 0.99 (3H, t, J = 7.3), 1.76 (3H, s), 1.82 (3H, s).
		2.28.(3H, s), 3.84., (3H, s), 4.07 (2H, q, J = 7.3), 4.61 (2H, br d, J = 6.7),
	}	5.51 (1H, br t, $J = 6.7$), 5.78 (1H, d, $J = 1.8$), 6.82 (1H, dd, $J = 1.8$, 8.5),
		6.89-6.98 (4H. m), 7.36 (2H. d. J = 8.5)
0	Ia-326	85-86 °C, 1 H-NMR (CDCl ₃) δ 0.99 (3H, t, $J = 7.3$), 1.76 (3H, s), 1.81 (3H,
		s), 2.28 (3H, s), 3.22 (3H, s), 3.85 (3H, s), 4.07 (2H, q, J = 7.3), 4.63 (2H, d, J
	} .	= 6.7), 5.50 (1H, br t, $J = 6.7$), 6.96 (2H, d, $J = 8.6$), 7.04 (1H, d, $J = 8.6$),
		7.24-7.29 (1H, m), 7.33-7.37 (3H, m)
	Ia-328	140-141 °C. 1H-NMR (CDCl ₃) & 1.77 (3H, s), 1.83 (3H, s), 2.34 (3H, s), 3.85
5	1	(3H, s), 4.52 (2H, d, J = 3.1), 4.62 (2H, d, J = 6.7), 5.52 (1H, br t, J = 6.7),
	1	5.78 (1H. s). 6.84-7.02 (5H. m), 7.58 (2H, d, J = 8.6)
	Ia-334	136-137 °C, 1H-NMR (CDCl ₃) δ 2.13 (3H, s), 3.80 (3H, s), 5.18 (2H, s), 5.85
	1	(1h, s), 6.83 (1H, dd, $J = 2.0$, 8.3), 6.96 (1H, d, $J = 2.0$). 7.04 (1H, d, $J = 2.0$)
		8.3), 7.32-7.46 (8H. m), 7.69-7.73 (2H, m)
30	Ia-335	165-165.5 °C, 'H-NMR (CDCl ₃) δ 2.15 (3H, s), 3.13 (3H, s), 3.82 (3H, s),
		[5.20 (2H, s), 7.19 (1H, d, J = 8.3), 7.27 (1H, dd, J = 2.2, 8.3), 7.33 (1H, m),
		7.35 (1H. d. J = 2.2), 7.38-7.50 (7H. m), 7.67-7.71 (2H. m)
	Ia-336	143-144 °C, ¹ H-NMR (CDCl ₃) δ 1.78 (3H, s), 1.83 (3H, s). 2.14 (3H, s), 3.80
		(3H, s), 4.64 $(2H, d, J = 6.8)$, 5.53 $(1H, br t, J = 6.8)$, 5.84 $(1H, s)$, 6.82
<i>15</i>		(1H, dd, $J = 2.2$, 8.3), 6.93 (1H, d, $J = 2.2$), 6.97 (1H, d, $J = 8.3$), 7.32 (1H,
		m), 7.43 (2H, m), 7.69-7.73 (2H, m)
	Ia-337	126.5-127.5 °C, 'H-NMR (CDCL) & 1.78 (3H, s), 1.83 (3H, s), 2.15 (3H, s),
	}	[3.24 (3H. s), 3.82 (3H. s), 4.66 (2H. d, J = 6.8), 5.51 (1H. br t, J = 6.8), 7.12]
		(1H, d, J = 8.5), 7.26 $(1H, dd, J = 2.2, 8.5), 7.32$ $(1H, m), 7.33$ $(1H, d, J = 8.5), 7.32$
0		[2.2], 7.43 (2H. m), 7.67-7.71 (2H. m)
	Ia-338	$167-168$ °C 'H-NMR (CDCl ₃) δ 5.17 (2H, s), 5.75 (1H, s), 6.99 (1H, d, $J =$
		8.6), 7.22 (1H, dd, $J = 2.4$, 8.6), 7.32 (2H, s), $7.33 \cdot 7.52$ (8H, m), $8.06 \cdot 8.11$
		(2H, m)
	Ia-339	149-150 °C 1H-NMR (CDCb) δ 3.13 (3H, s), 5.18 (2H, s), 7.14 (1H, d, J =
15		(8.5), $7.37-7.50$ (8H. m), 7.60 (1H, dd, $J = 1.8$, 8.5), 7.68 (1H, d, $J = 1.8$),
		8.07-8.12 (2H. m)
	Ia-340	184-186 °C, 1H-NMR (CDCla) & 2.38 (3H, s), 5.12 (2H, s), 5.77 (1H, s), 6.99
	1	(1H. d. J = 8.6). 7.19-7.34 (7H. m). 7.40-7.52 (3H. m). 8.05-8.13 (2H. m)
	Ia-341	175-176 °C, ¹ H-NMR (CDCl _s) δ 2.38 (3H, s), 3.12 (3H, s), 5.14 (2H, s), 7.14
:o		(1H. d. J = 8.5), 7.22 (2H. d. $J = 7.9$), 7.34 (2H. d. $J = 7.9$), 7.37 (1H, s).
-		7.47 (2H, d, $J = 1.8$), 7.49 (1H, d, $J = 2.4$), 7.60 (1H, dd, $J = 2.4$, 8.5),
	1	8.06-8.12 (2H, m)
		12/2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3

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Ia-342	131-132 °C, 'H-NMR (CDCl ₃) δ 1.77 (3H, s), 1.82 (3H, s), 4.63 (2H, d, J =
	[6.7), 5.50 (1H, br t, $J = 6.7$), 5.78 (1H, s), 6.92 (1H, d, $J = 8.5$), 7.22 (1H)
	[dd, J = 2.4, 8.5), 7.30-7.32 (2H. m), 7.43-7.51 (3H, m), 8.07-8.11 (2H, m)
Ia-343	126-127 °C, ¹H-NMR (CDCl ₃) δ 1.77 (3H, s), 1.81 (3H, s), 3.25 (3H, s), 4.64
	(2H, d, J = 6.7), 5.49 (1H, br t, $J = 6.7$), 7.07 (1H, d, $J = 8.6$), 7.37 (1H, s)
	[7.45-7.53 (3H, m), 7.60 (1H, dd, J = 1.8, 8.6), 7.66 (1H, d, J = 2.4), 8.08
	8.12 (2H, m)
Ia-348	150-151 °C, ¹H-NMR (CDCl ₃) δ 3.85 (3H, s), 5.16 (2H, s), 5.71 (1H, s), 6.98
	(4H, d. J = 8.9), 7.31.7.46 $(6H, m), 7.82$ $(1H. s), 8.04$ $(2H, d, J = 8.9)$
Ia-349	112-113 °C, 'H-NMR (CDCl ₃) δ 3.12 (3H, s), 3.88 (3H, s), 5.16 (2H, s), 6.99
	(2H, d, J = 9.2), 7.12 (1H, d J = 8.8), 7.33-7.48 (5H, m), 7.73 (1H, dd J =
	[8.3, 1.8), 7.74 (1H. s), 7.87 (1H. s), 8.04 (2H. d. J = 9.2)
Ia-350	137-138 °C, 'H-NMR (CDCl ₃) δ 1.75 (3H, s), 1.81 (3H, s), 3.87 (3H, s), 4.60
•	(2H. d, J = 6.8), 5.49 (1H, t, J = 6.8), 5.70 (1H, s), 6.91 (1H, d, J = 9.2), 6.98
	(2H. d. J = 9.1), 7.32.7.35 (2H. m), 7.82 (1H. s), 8.04 (2H. d. J = 9.1)
Ia-351	127-128 °C, ¹H-NMR (CDCl ₃) δ 1.75 (3H, s), 1.81 (3H, s), 3.23 (3H, s), 3.87
	(3H, s), 4.63 (2H, d, J = 6.8), 5.48 (1H, t, J = 6.8), 6.98 (2H, d, J = 9.1), 7.05
	(1H, d, J = 9.1), 7.71-7.75 $(2H, m), 7.85$ $(1H, s), 8.04$ $(2H, d, J = 9.1)$
Ia-352	99-100 °C, ¹ H-NMR (CDCl ₃) δ 2.58 (3H, s), 3.83 (3H, s), 5.17 (2H, s), 5.71
	(1H. s), 6.93-7.01 (3H, m), 7.23 (1H, d, J = 1.9), 7.32 (1H, d, J = 1.9),
	7.34-7.44 (5H, m), 8.01 (2H, d, J = 9.1)
Ia-353	159-160 °C. ¹ H-NMR (CDCl ₃) δ 2.57 (3H, s), 3.11 (3H, s), 3.86 (3H, s), 5.17
	(2H, s), 6.97 $(2H, d, J = 9.1)$, 7.13 $(1H, d, J = 8.5)$, 7.35-7.47 $(5H, m)$, 7.65
	(2H, d, J = 9.1) 7.99 $(2H, d, J = 9.1)$
Ia-354	[oil, ¹ H-NMR (CDCl ₃) δ 1.76 (3H, s), 1.81 (3H, s), 2.16 (3H, s), 2.57 (3H, s),
	3.86 (3H, s), 4.61 (2H, d, J = 6.7), 5.50 (1H, br t, J = 6.7), 5.71 (1H, s), 6.94
	(2H, d, J = 7.3), 6.97 (1H, d, J = 8.6), 7.23 (1H, dd, J = 8.6, 1.8), 7.28 (1H, dd, J = 8.6, 1.8)
	d. J = 1.8, 8.00 (2H, $d. J = 7.3$)
Ia-355	130-131 °C, 1H-NMR (CDCl ₃) δ 1.76 (3H, s), 1.81 (3H, s), 2.57 (3H, s), 3.21
	(3H, s), 3.87 $(3H, s)$, 4.63 $(2H, d, J = 6.7)$, 5.49 $(1H, t, J = 6.7)$, 6.97 $(2H, d, J = 6.7)$
	J = 6.7), 7.07 (1H, d, $J = 9.1$) 7.62-7.67 (2H, m), 7.99 (2H, d, $J = 9.1$)
	mp 91.5-92.5 °C; 'H NMR (CDCl ₃) δ 1.74 (s, 3H), 1.76 (s, 3H), 1.77 (s,
	3H), 1.80 (s, 3H), 2.34 (s, 3H), 2.54 (s, 3H), 3.74 (d, $J = 6.6$ Hz, 2H), 4.63
Ia-356	(d, $J = 6.6 \text{ Hz}$, 2H), 5.37 (br t, $J = 6.6 \text{ Hz}$, 1H), 5.54 (br t, $J = 6.6 \text{ Hz}$,
	1H), 6.68 (d, J = 8.5 Hz, 2H), 7.04 (t, J = 8.5 Hz, 1H), 7.19 (d, J = 8.5 Hz, 2H), 7.20(11, J = 3.0, 110, 110, 110, 110, 110, 110, 110, 1
	(2H), 7.27 (br d, $J = 8.5 Hz$, 1H), 7.33(dd, $J = 2.0$, 12.0 Hz, 1H) 7.39 (s,
·	1H)
	mp 136-136.5 °C; 'H NMR (CDCl ₃) δ 1.73 (s, 3H), 1.76 (s, 3H), 1.77 (s, 3H), 1.82 (s, 3H), 2.57 (s, 3H), 2.57 (s, 3H), 2.74 (d, 1-6.6 Hz, 2H), 4.64
To 257	3H), 1.82 (s, 3H), 2.37 (s, 3H), 2.52 (s, 3H), 3.74 (d, J = 6.6 Hz, 2H), 4.64
Ia-357	(d, $J = 6.8 \text{ Hz}$, 2H), 5.35 (br t, $J = 6.6 \text{ Hz}$, 1H), 5.55 (br t, $J = 6.8 \text{ Hz}$, 1H), 6.69 (d, $J = 8.8 \text{ Hz}$, 2H), 7.01 7.12 (m, 2H), 7.25 (c, 1H), 7.42 (d, $J = 8.8 \text{ Hz}$)
	6.68 (d, J = 8.8 Hz, 2H), 7.01-7.12 (m, 3H). 7.35 (s, 1H), 7.43 (d, J = 8.8 Hz, 2H)
	H2. 2H)

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	Ib-3	157-158 °C, (CDCl ₃) δ 1.78 (3H, s), 1.82 (3H, s), 3.56 (3H, s), 3.80 (3H, s), 4.62
E.		(2H, d, J = 6.8), 5.52 (1H, t, $J = 6.8), 5.69$ (1H, s), 5.84 (1H, s), 6.95 (4H, d, $J = 1$)
5		2.4), 7.05 (1H, s), 7.76 (1H, td, J = 7.8, 1.8), 7.94 (1H, d, J = 7.8), 8.75 (1H, dd,
		LI = 4 9, 2 4)
	Ib-8	oil. 1H-NMR (CDCl ₃) δ 1.76 (3H, s), 1.79 (3H, s), 2.29 (3H, s), 2.37 (3H, s).
		[3.89 (3H, s), 4.64 (2H, d, $J = 6.7$), 5.57 (1H, br t, $J = 6.7$), 6.85-6.96 (3H, m),
10	}	7.16 (1H, s), 7.22-7.27 (1H, m), 7.33 (1H, s), 7.46 (1H, d, J = 7.9), 7.75 (1H, dt,
10	ļ	J = 1.8, 7.9, 8.71 (1H, dd, $J = 4.9, 1.8$).
	Ib-11	112-113 °C. 'H-NMR (CDCl ₃) & 1.45 (3H, s), 1.73 (3H, s), 1.76 (3H, s), 1.81
	1	(3H, s) 2.67 (3H, s), 3.25 (3H, s), 3.68 (3H, s), 3.85 (3H, s), 4.39 (2H, d, J=
		[7.3] 4.64 (2H d. $J = 6.8$), 5.27 (1H, t. $J = 7.3$), 5.49 (1H, t. $J = 6.8$), 7.09 (1H, t.
15	}	d. $J = 8.5$), 7.33-7.39 (2H, m), 7.49 (1H, s), 7.60 (1H, dd, $J = 8.5$, 2.5), 8.16
13		(1H d J = 8.5), 8.56 (1H d J = 1.8)
	Ib-12	139-141 °C 1H-NMR (CDCls) & 2.66 (3H, s), 3.12 (3H, s), 3.64 (3H, s), 3.82
		(3H, s), 3.84 (2H, brs), 5.18 (2H, s), 7.05 (1H, dd, $J = 8.5, 3.0$), 7.14 (1H, d, $J = 8.5, 3.0$)
		[8.5] $7.32.7.48$ (SH, m), 7.86 (1H, d, $J = 8.5$), 8.21 (1H, d, $J = 3.0$)
20	Ib-13	[oil 1H-NMR (CDCl ₃) δ 1.76 (3H, s), 1.79 (3H, s), 2.28 (3H, s), 2.36 (3H, s),
		$\frac{1}{3}$ 73 (2H br s) $\frac{3}{8}$ 88 (3H, s), 4.63 (2H, d, J = 6.8), 5.57 (1H, br t, J = 6.8),
)	[6.84-6.95 (3H, m), 7.06 (1H, dd, J = 2.9, 8.3), 7.14 (1H, s), 7.25 (1H, dd, J = 2.9, 8.3)]
		0.5, 8.3), 8.20 (1H. dd. J = 0.5, 2.9)
	Ib-15	157-158 °C, ¹ H-NMR (CDCl ₃) δ 2.30 (3H, s), 2.35 (3H, s), 2.99 (6H, s), 3.70
25	{	(2H, brs), 6.79 (2H, d, J = 8.9), 7.05 (1H, dd, J = 8.5, 2.4), 7.13 (1H, s), 7.24-
		7.29 (4H, m), 8.20 (1H, d, J = 2.4)
	Ib-16	164-165 °C, 'H-NMR (CDCl ₃) & 1.75 (3H, s), 1.78 (3H, s), 1.81 (3H, s), 3.56
		(3H, s), 3.77 (2H, d, J = 6.8), 3.79 (3H, s), 4.61 (2H, d, J = 7.3), 5.34 (1H, t, J =
	1	6.8), 5.53 (1H, t, $J = 7.3$), 5.68 (1H, s), 5.85 (1H, s), $6.92-6.98$ (4H, m), 7.05
30	Ĺ	(1H. s), 7.77 (1H. d, $J = 9.2$), 8.14 (1H, d, $J = 3.1$)
	Ib-17	oil, ¹ H-NMR (CDCl ₃) & 1.75 (6H, s), 1.78 (3H, s), 1.79 (3H, s), 2.29 (3H, s),
	1	2.37 (3H, s), 3.76 (2H, d, J = 6.6), 3.88 (3H, s), 4.63 (2H, d, J = 6.8), 5.35 (1H,
		br t. J = 6.6), 5.57 (1H, br t, J = 6.8), 6.84-6.98 (4H, m), 7.13 (1H. s), 7.27 (1H.
		d, $J = 8.6$), 7.31 (1H. s), 8.13 (1H, d, $J = 2.4$)
35	Ib-20	116-117°C, 'H-NMR (CDCls) & 1.75 (3H, s), 1.78 (3H, s), 2.30 (3H, s), 2.36
	1	(3H, s), 2.99 (6H, s), 3.75 (2H, d, J = 6.8), 5.35 (2H, t, J = 6.8), 6.90 (2H, d, J = 6.8), 5.35 (2H, t, J = 6.8), 6.90 (2H, d, J = 6.8), 5.35 (2H, t, J = 6.8), 6.90 (2H, d, J = 6.8), 5.35 (2H, t, J = 6.8), 6.90 (2H, d, J = 6.8),
	1	8.5), 6.94 (1H, dd, $J = 8.5$, 3.1), 7.13 (1H, s), 7.22-7.29 (4H, m), 8.13 (1H, d, J
	71 04	= 2.4) 233-234 °C, ¹H-NMR (CDCl₃) δ 2.65 (3H. s), 3.13 (3H, s), 3.69 (3H, s), 3.84
	Ib-21	(3H, s), 5.19 (2H, s), 7.15 (1H, d. $J = 8.5$), 7.33-7.48 (8H, m), 8.10 (1H, brs),
40		(3H, S), 5.19 (2H, S), 7.15 (1H, d. 5 = 8.5), 7.35 7.40 (611, 21), 6.15 (121, 615),
		8.16 (2H. d. J = 1.4), 8.88 (1H. s) 152-153 °C, 'H-NMR (CDCls) & 1.75 (3H, s), 1.79 (3H, s), 2.30 (3H, s), 2.37
	Ib-23	[3H, s), 3.88 (3H, s), 4.63 (2H, d, $J = 6.6$), 5.56 (1H, br t, $J = 6.6$), 6.84-6.96
	į	(3H, s), 3.88 $(3H, s)$, 4.65 $(2H, dt, J = 3.6)$, 5.96 $(2H, dt, J = 3.6)$, 8.25 $(1H, dd, J = 2.7)$
45		(3H, m), 7.17 (1H, s), 7.32 (1H, s), 7.35 (1H, d, d) 3.57, 6.57 (1H, d, J = 2.7)
45	72.05	178-180 °C, ¹H-NMR (CDCl ₃) δ 2.32 (3H, s), 2.37 (3H, s), 3.00 (6H, s), 6.80
	Ib-25	(2H, d, J = 9.1), 7.17 (1H, s), 7.25 (2H, d, J = 8.5), 7.32 (1H, s), 7.53 (1H, d, J = 9.5)
	1	8.5), 8.05 (1H. brs). 8.24 (1H. dd, J = 8.5, 2.5), 8.74 (1H. d. J = 2.5)
	IL 25	219-221 °C, ¹H-NMR (CDCl ₂) δ 3.00 (6H, s), 3.09 (3H, s), 3.84 (3H, s), 3.86
50	Ib-35	(3H, s), 6.50 (1H, br), 6.80 (2H, d. $J = 9.0$), 6.99 (1H, s), 7.51 (2H, d, $J = 9.0$),
		7.52 (1H, s), 7.71 (1H, dd, J = 2.7, 8.7), 8.02 (1H, d, J = 8.7). 8.52 (1H, d, J =
	L	[2.7)

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	Ib-37	187-190 °C, ¹ H-NMR (CDCl ₃) δ 2.32 (3H, s), 2.36 (3H, s), 3.00 (6H, s), 3.10
5		(3H, s), 6.66 (1H, brs), 6.80 (2H, d, J = 9.2), 7.16 (1H, s), 7.18-7.32 (3H, m),
		7.48 (1H, d, J = 8.5). 7.76 (1H, dd, J = 8.5, 3.1). 8.51 (1H, d, J = 3.1)
	Ib-39	169-170 °C, 'H-NMR (CDCl ₃) & 2.67 (3H, s), 3.06 (6H, s), 3.13 (3H, s), 3.65
		(3H, s), 3.83 (3H, s), 5.18 (2H, s), 7.04 (1H, dd, J = 8.5, 3.0), 7.13 (1H, d, J =
		8.5), 7.32-7.47 (8H, m), 7.93 (1H, d, J = 8.5), 8.25 (1H, d, J = 3.0)
10	Ib-40	205-206 °C, 'H-NMR (CDCl ₃) δ 1.73 (3H, s), 1.81 (3H, s), 3.06 (6H, s), 3.59
	{	(3H, s), 3.80 $(3H, s)$, 4.61 $(2H, d, J = 6.8)$, 5.51 $(1H, t, J = 6.8)$, 5.70 $(1H, brs)$.
	1	5.87 (1H, brs), 6.92 (3H, s), 7.04-7.10 (2H, m), 7.82 (1H, d, J = 8.5), 8.24 (1H,
		[d, J = 1.8)
15	Ib-41	157-158 °C, 'H-NMR (CDCIs) & 1.74 (3H, s), 1.81 (3H, s), 2.70 (3H, s), 3.05
		(6H, s), 3.21 (3H, s), 3.61 (3H, s), 3.81 (3H, s), 4.61 (2H, d, $J = 6.8$), 5.51 (1H, t, $J = 6.8$), 7.03-7.11 (2H, m), 7.33 (1H, dd, $J = 8.5$, 2.0), 7.38 (1H, d, $J = 2.0$),
	•	(1, 3 = 6.6), 7.03-7.11 (2H, m), 7.33 (1H, dd, 3 = 8.5), 2.0), 7.36 (1H, d, 3 = 2.0), 7.41 (1H, s), 7.92 (1H, d, J = 8.5), 8.24 (1H, d, J = 2.0)
	Ib-44	117-118 °C, ¹H-NMR (CDCl ₃) δ 1.76 (3H, s), 1.80 (3H, s), 2.29 (3H, s), 2.36
	10-44	(3H, s), 3.04 (6H, s), 3.89 (3H, s), 4.63 (2H, d, $J = 6.8$), 5.57 (1H, br t, $J = 6.8$),
20	•	[6.86-6.95 (3H, m), 7.08 (1H, dd, J = 2.9, 8.6), 7.14 (1H, s), 7.31 (1H, s), 7.32]
	}	(1H. d. J = 8.6), 8.22 (1H. d. J = 2.9)
	Ib-46	216-218 °C, 1H-NMR (CDCl ₃) & 3.64 (3H, s), 3.82 (3H, s), 5.16 (2H, s), 5.73
		(1H, s), 5.77 (1H, s), 6.94 (1H, dd, J = 8.5, 2.4), 7.07 (1H, s), 7.09 (2H, d, J =
25		[6.7), 7.36-7.47 (5H, m), 8.25 (1H, d, $J = 8.5$), 8.54(1H, dd, $J = 8.5$, 2.4), 9.54
		(1H. d. J = 2.4)
	Ib-47	159-160 °C, ¹H-NMR (CDCl ₂) δ 2.63 (3H, s), 3.14 (3H, s), 3.73 (3H, s), 3.86
		(3H, s), 5.19 (2H, s), 7.16 (2H, d, J=8.5), 7.29-7.48 (6H, m), 7.56 (1H, s), 8.35
20	Ib-49	(1H, d, J = 9.1). 8.54 (1H, dd, J = 9.1, 2.5). 9.54 (1H, d, J = 2.5) 194-195 °C, ¹H-NMR (CDCl ₃) δ 2.35 (3H, s), 2.41 (3H, s), 3.01 (6H, s), 6.80
30	10-49	(2H, d, J = 9.1), 7.20 (1H, s), 7.26 (2H, d, $J = 9.1$), 7.37 (1H, s), 7.67 (1H, d, $J = 9.1$)
		9.1), 8.53 (1H. dd. $J = 9.1$, 2.5), 9.53 (1H, d, $J = 2.4$)
	Ib-51	126-127 °C, ¹H-NMR (CDCl ₃) δ 2.25 (3H, s), 2.32 (3H, s), 3.01 (6H, s). 6.80
	10 01	(2H, d, J = 8.5), 7.09 (1H, s), 7.18 (1H, s), 7.22-7.29 (2H, m), 7.38 (1H, d, J =
35		8.5). 7.66 (1H, dd. $J = 8.0$, 2.4). 8.76 (1H, d, $J = 2.4$)
	Ib-54	162-163 °C, 'H-NMR (CDCl _s) δ 1.76 (3H, s), 1.82 (3H, s), 3.48 (3H, s), 3.76
		(3H, s), 4.62 (2H, d, $J = 6.8$), 5.53 (1H, t, $J = 6.8$), 5.72 (1H, s), 5.81 (1H, s),
		[6.47 (1H. s), 6.94-6.99 (2H, m), 7.04 (1H, s), 7.37-7.68 (4H, m), 7.99 (1H, dd, J)
40		= 6.1, 1.8) 8.62 (1H, d, J = 4.9), 8.89 (1H, d, J = 1.8).
	Ib-58	oil, 'H-NMR (CDCl ₃) δ 1.76 (3H, s), 1.80 (3H, s), 2.28 (3H, s), 2.30 (3H, s),
		[3.89 (3H, s), 4.64 (2H, d, $J = 6.7$), 5.57 (1H, br t. $J = 6.7$), 6.86-6.96 (3H, m),
		7.13 (1H, s), 7.19 (1H, s), 7.36 (1H, dd, J = 8.2, 4.9), 7.70 (1H, dt, J = 1.8, 8.2), 8.60 (1H, dd, J = 4.9, 1.8), 8.65 (1H, d. J = 1.8)
	Ib-65	180-181 °C, 'H-NMR (CDCl ₃) δ 2.28 (3H, s), 2.31 (3H, s), 3.00 (6H, s), 4.45
45	10-00	(2H. br s), 6.57 (1H, d, $J = 9.1$), 6.80 (2H, d, $J = 9.1$), 7.09 (1H, s), 7.15 (1H, s),
		7.25 (2H. dd. $J = 8.0$, 2.4), 7.47 (1H, dd. $J = 8.5$, 2.4), 8.10 (1H. d. $J = 2.4$)
	Ib-67	185-188 °C 'H-NMR (CDCl ₃) & 2.07 (3H, s), 2.21 (3H, s). 2.28 (3H, s), 3.00
		(6H, s), 4.41 (2H, brs), 6.41 (1H, d, J = 7.8), 6.80 (2H, d, J = 9.2), 6.97 (1H. s).
50		7.12 (1H. s), 7.22-7.29 (3H. m)
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mp 184-185.5 °C; 'H NMR (CDCla) 6 1.75 (s, 3H), 1.77 (s, 3H), 2.29 (s, 3H), 2.30 (s, 3H), 3.00 (s, 6H), 3.90 (br. t, J = 5.6 Hz, 2H), 4.45 (br. t), 5.37 (br. t, J = 5.6 Hz, 2H), 4.65 (rd. J = 8.8 Hz, 2H), 7.10 (s, 1H), 7.15 (s, 1H), 7.27 (d, J = 8.8 Hz, 2H), 7.47 (dd, J = 2.4, 8.5 Hz, 1H), 8.13 (dd, J = 0.5, 2.4 Hz, 1H) Ib-71	_		
Ib-69			
1.10 (s. 1H), 7.15 (s. 1H), 7.27 (d. J = 8.8 Hz, 2H), 7.47 (dd. J = 2.4, 8.5 Hz, 1H), 8.13 (dd. J = 0.5, 2.4 Hz, 1H) 118-119 "C, "H-NMR (CDCls) 5.1.73 (3H, s), 1.76 (3H, s), 2.08 (3H, s), 2.20 (3H, s), 2.28 (3H, s), 3.00 (6H, s), 3.33 (2H, d, J = 6.8), 4.81 (1H, brs), 5.35 (1H, t, J = 6.7), 6.29 (1H, d, J = 8.5), 6.79 (2H, d, J = 8.5), 6.97 (1H, s), 7.12 (1H, s), 7.24-7.29 (3H, m) 1b-73 196-197 "C, "H-NMR (CDCls) 5.2.25 (3H, s), 2.27 (3H, s), 2.32 (3H, s), 3.02 (6H, s), 6.86 (2H, d, J = 8.5), 7.17 (1H, s), 7.17 (1H, s), 7.28 (2H, d, J = 8.5), 7.75 (1H, dd. J = 8.0, 2.4), 8.19 (1H, brs), 8.25-8.28 (2H, m) 1b-75 169-171 "C, "H-NMR (CDCls) 6.20 (3H, s), 2.22 (3H, s), 2.27 (3H, s), 2.29 (3H, s), 3.01 (6H, s), 6.80 (2H, d, J = 8.5), 7.92 (1H, brs), 8.05 (1H, d. J = 8.5), 7.92 (1H, brs), 8.05 (1H, d. J = 8.5), 7.92 (1H, brs), 8.05 (1H, d. J = 8.5), 7.92 (1H, brs), 8.05 (1H, d. J = 8.5), 7.92 (1H, brs), 8.05 (1H, d. J = 8.5), 7.15 (1H, s), 7.24-7.27 (2H, m), 7.47 (1H, d. J = 8.5), 6.84 (1H, s), 7.03 (1H, d. J = 8.5), (3H, s), 3.77 (3H, s), 5.18 (2H, s), 6.59 (1H, d. J = 8.5), 6.84 (1H, s), 7.14 (1H, d. J = 8.5), 6.84 (1H, s), 7.32 (1H, m), 7.84 (1H, dd. J = 8.5), 6.84 (1H, s), 3.59 (3H, s), 3.74 (3H, s), 4.62 (2H, d. J = 6.8), 5.52 (1H, d. J = 8.5), 5.84 (1H, s), 3.52 (3H, s), 3.74 (3H, s), 4.62 (2H, d. J = 6.8), 5.52 (1H, d. J = 8.5), 5.84 (1H, s), 5.85 (1H, s), 6.51 (1H, d. J = 9.1), 6.94 (2H, d. J = 1.8), 7.05 (1H, d. J = 1.2), 7.81 (1H, dd. J = 8.5), 6.84 (1H, d. J = 2.4), 8.31 (1H, d. J = 8.5), 6.83 (1H,	5		
IH., 8.13 (dd. J = 0.5, 2.4 Hz. IH) Ib.71 I18-119 °C, 'H-NMR (CDCls) & 1.73 (3H. s), 1.76 (3H. s), 2.08 (3H. s), 2.20 (3H. s), 2.28 (3H. s), 3.00 (6H. s), 3.83 (2H. d, J = 6.8), 4.81 (1H. brs), 5.35 (1H. t, J = 6.7), 6.29 (1H. d, J = 8.5), 6.79 (2H. d, J = 8.5), 6.97 (1H. s), 7.12 (1H. s), 7.24-7.29 (3H. m) Ib.73 196-197 °C, 'H-NMR (CDCls) & 2.25 (3H. s), 2.27 (3H. s), 2.32 (3H. s), 3.02 (6H. s), 6.86 (2H. d, J = 8.5), 7.11 (1H. s), 7.17 (1H. s), 7.28 (2H. d, J = 8.5), 7.51 (1H. dd, J = 8.0, 24.8, 18) (1H. brs), 8.25-8.28 (2H. d, J = 8.5), 7.51 (1H. dd, J = 8.0, 24.8, 18) (1H. brs), 8.25-8.28 (2H. d, J = 8.5), 7.49 (1H. brs), 8.05 (1H. d, J = 8.5), 7.49 (1H. d, J = 8.5), 7.92 (1H. brs), 8.05 (1H. d, J = 8.5) (1H. d, J = 8.5), 7.49 (1H. d, J = 8.5), 7.92 (1H. brs), 8.05 (1H. d, J = 8.5) (1H. d, J = 8.5), 7.15 (1H. s), 7.24-7.27 (2H. m), 7.47 (1H. d, J = 8.5) (1H. d, J = 8.5), 7.15 (1H. s), 7.24-7.27 (2H. m), 7.47 (1H. d, J = 8.5) (2H. s), 3.19 (3H. s), 3.77 (3H. s), 5.18 (2H. s), 6.59 (1H. d, J = 8.5), 4.84 (1H. s), 7.14 (1H. d, J = 8.5), 7.32-7.48 (7H. m), 7.84 (1H. dd, J = 8.5, 2.4), 8.40 (1H. d, J = 2.4) (1B.82 (1H. s), 6.45 (1H. s), 6.61 (1H. d, J = 9.1), 6.94 (2H. d, J = 1.8), 7.05 (1H. d, J = 1.2), 7.81 (1H. dd, J = 8.5, 2.4), 8.46 (1H. d, J = 2.4) (1B.83 (1H. s), 3.25 (3H. s), 3.27 (3H. s), 3.85 (3H. s), 7.07 (1H. d, J = 8.5), 5.22 (1H. t, J = 6.8), 6.59 (1H. d, J = 8.5), 6.89 (1H. d, J = 2.4) (1B.83 (1H. s), 7.10 (1H. s), 7.16 (1H. s), 7.72 (2H. d, J = 6.8), 5.52 (1H. t, J = 6.8), 6.59 (1H. d, J = 8.5), 2.48 (1H. d), 3.85 (3H. s), 7.07 (1H. d, J = 1.8), 7.05 (1H. d, J = 1.2) (1B.83 (1H. s), 3.10 (6H. s), 3.25 (3H. s), 3.10 (6H. s), 3.75 (3H. s), 4.62 (2H. d, J = 6.8), 5.52 (1H. t, J = 6.8), 6.59 (1H. d, J = 2.4) (1B.83 (1H. s), 7.70 (1H. d, J = 2.4) (1B.83 (1H. s), 7.10 (1H. s), 7.16 (1H. s), 7.72 (2H. d, J = 6.8), 5.73 (1H. dd, J = 2.4) (1B.83 (1H. s), 7.10 (1H. s), 7.16 (1H. s), 7.7		Ib-69	
Ib-71 118-119 °C, 'H-NMR (CDCla) & 1.73 (3H, s), 1.76 (3H, s), 2.08 (3H, s), 2.29 (3H, s), 2.20 (3H, s), 3.30 (2H, d, J = 6.8), 4.81 (1H, brs), 5.35 (1H, t, J = 6.7), 6.29 (1H, d, J = 8.5), 6.79 (2H, d, J = 8.5), 6.97 (1H, s), 7.12 (1H, s), 7.12 (1H, s), 7.24 · 7.29 (3H, m) Ib-73 196-197 °C, 'H-NMR (CDCla) & 2.25 (3H, s), 2.27 (3H, s), 2.32 (3H, s), 3.02 (6H, s), 6.86 (2H, d, J = 8.5), 7.11 (1H, s), 7.17 (1H, s), 7.28 (2H, d, J = 8.5), 7.75 (1H, dd, J = 8.0, 2.4), 8.19 (1H, brs), 8.25-8.28 (2H, m) Ib-75 169-171 °C, 'H-NMR (CDCla) & 2.05 (3H, s), 2.22 (3H, s), 2.27 (3H, s), 2.29 (3H, s), 3.01 (6H, s), 6.80 (2H, d, J = 8.5), 6.97 (1H, s), 7.14 (1H, s), 7.28 (1H, d, J = 8.5), 7.49 (1H, dJ = 8.5), 7.92 (1H, brs), 8.05 (1H, d, J = 8.5), 7.15 (1H, s), 7.14 (1H, s), 7.24 · 7.27 (2H, m), 7.47 (1H, d, J = 8.5) Ib-79 149-152 °C, 'H-NMR (CDCla) & 2.07 (3H, s), 2.28 (3H, s), 2.29 (3H, s), 3.00 (6H, s), 3.19 (3H, s), 6.80 (2H, d, J = 9.1), 6.94 (1H, s), 7.03 (1H, d, J = 8.5), 7.15 (1H, s), 7.24 · 7.27 (2H, m), 7.47 (1H, d, J = 8.5) Ib-81 164-165 °C, 'H-NMR (CDCla) & 2.69 (3H, s), 3.12 (3H, s), 3.16 (6H, s), 3.59 (3H, s), 3.77 (3H, s), 5.18 (2H, s), 6.59 (1H, d, J = 8.5), 2.4), 8.40 (1H, d, J = 2.4) (1H, s), 7.44 (1H, d, J = 8.5), 7.32 (3H, s), 3.74 (3H, s), 4.62 (2H, d, J = 6.8), 5.52 (1H, s), 6.5 (88 (1H, s), 5.85 (1H, s), 6.45 (1H, s), 6.61 (1H, d, J = 9.1), 6.94 (2H, d, J = 1.8), 7.05 (1H, d, J = 1.2), 7.81 (1H, dd, J = 8.5), 6.83 (1H, s), 7.07 (1H, d, J = 8.5), 7.38 (1H, d, J = 1.8), 7.38 (1H, d, J = 8.5), 7.38 (1H, d, J = 8.5), 7.38 (1H, d, J = 6.1), 1.29 (3H, s), 8.15 (3H, s), 3.00 (6H, s), 4.87 (2H, d, J = 1.8), 7.83 (1H, d, J = 6.1, 1.2), 8.39 (1H, d, J = 1.2) Ib-90 19-15 °C, 'H-NMR (CDCla) & 1.79 (3H, s), 1.82 (3H, s), 2.27 (3H, s), 2.31 (3H, s), 3.00 (6H, s), 4.87 (2H, d, J = 8.8), 7.59 (1H, dd, J = 2.4), 8.31 (1H, dd, J = 0.7, 2.4) Ib-90 19-15 °C, 'H-NMR (CDCla) & 1.79 (3H, s), 1.82 (3H, s), 3.00 (6H, s), 3.70 (3H, d, J = 2.6), 7.33 (1H, d, J = 2.6), 5.73 (1H, s), 6.83 (3H, s), 6			
(3H, s), 2.28 (3H, s), 3.00 (6H, s), 3.33 (2H, d, J = 6.3), 4.81 (1H, brs), 5.35 (1H, t, J = 6.7), 6.29 (1H, d, J = 8.5), 6.79 (2H, d, J = 8.5), 6.71 (1H, s), 7.12 (1H, s), 7.24-7.29 (3H, m) Ib-73	Ţ		
[1, J = 6.7), 6.29 (1H, d, J = 8.5), 6.79 (2H, d, J = 8.5), 6.97 (1H, s), 7.12 (1H, s), 7.24-7.29 (3H, m) [1b-73] 196-197 °C, 'H-NMR (CDCla) & 2.25 (3H, s), 2.27 (3H, s), 2.32 (3H, s), 3.02 (6H, s), 6.86 (2H, d, J = 8.5), 7.11 (1H, s), 7.17 (1H, s), 7.28 (2H, d, J = 8.5), 7.75 (1H, dd, J = 8.0, 2.4), 8.19 (1H, br), 8.25-8.28 (2H, m) [1b-75] 169-171 °C, 'H-NMR (CDCla) & 2.05 (3H, s), 2.22 (3H, s), 2.27 (3H, s), 2.29 (3H, s), 3.01 (6H, s), 6.80 (2H, d, J = 8.5), 6.97 (1H, s), 7.14 (1H, s), 7.28 (1H, d, J = 8.5), 7.49 (1H, d, J = 8.5), 7.92 (1H, brs), 8.05 (1H, d, J = 8.5), 7.15 (1H, s), 7.24-7.27 (2H, m), 7.47 (1H, d, J = 8.5), 7.15 (1H, s), 7.24-7.27 (2H, m), 7.47 (1H, d, J = 8.5), 7.15 (1H, s), 7.24-7.27 (2H, m), 7.47 (1H, d, J = 8.5), 6.84 (1H, s), 7.14 (1H, d, J = 8.5), 7.32-7.48 (1H, m), 7.43 (1H, d, J = 8.5), 6.84 (1H, s), 7.14 (1H, d, J = 8.5), 7.32-7.48 (1H, m), 7.48 (1H, d, J = 8.5), 6.84 (1H, s), 7.14 (1H, d, J = 8.5), 7.32-7.48 (1H, m), 7.48 (1H, d, J = 8.5), 6.84 (1H, s), 7.14 (1H, d, J = 8.5), 7.32-7.48 (1H, m), 7.48 (1H, d, J = 8.5), 6.84 (1H, s), 7.14 (1H, s), 7.14 (1H, d, J = 8.5), 7.32-7.48 (1H, m), 7.48 (1H, d, J = 8.5), 6.84 (1H, s), 7.14 (1H, d, J = 8.5), 7.32-7.48 (1H, m), 7.48 (1H, d, J = 8.5), 6.84 (1H, s), 7.84 (1H, d, J = 8.5), 7.32 (1H, d, J = 8.5), 7.34 (1H, d, J = 18.7), 7.05 (1H, d, J = 1.2), 7.81 (1H, dd, J = 8.5), 2.48 (4H, d, J = 8.5), 7.34 (1H, d, J = 1.2), 7.81 (1H, dd, J = 8.5), 3.81 (3H, s), 3.77 (3H, s), 3.15 (6H, s), 3.25 (3H, s), 3.61 (3H, s), 3.77 (3H, s), 4.62 (2H, d, J = 6.8), 5.68 (1H, d, J = 8.5), 7.34 (1H, d, J = 8.5), 7.38 (1H, d, J = 1.8), 7.07 (1H, d, J = 6.8), 5.52 (1H, t, J = 6.8), 6.59 (1H, d, J = 8.5), 7.38 (1H, d, J = 1.2), 7.81 (1H, dd, J = 0.7, 2.4) [1b-90] 91.91.5 °C, 1H-NMR (CDCla) & 1.79 (3H, s), 1.82 (3H, s), 2.27 (3H, s), 2.31 (3H, s), 3.00 (6H, s), 4.87 (2H, d, J = 8.8), 7.59 (1H, dd, J = 2.4, 8.3), 8.17 (1H, dd, J = 0.7, 8.0), 8.75 (1H, dd, J = 0.7, 2.2) [1b-90] 91.91.5 °C, 1H-NMR (CDCla) & 1.76 (3H, s), 1.82 (3H, s), 3.50 (3H, s), 3.76 (3H, s), 4.		Ib-71	
1,247,29 (3H. m) 196-197 °C, 'H-NMR (CDCla) & 2.25 (3H. s), 2.27 (3H. s), 2.32 (3H. s), 3.02 (6H. s), 6.86 (2H. d., J = 8.5), 7.11 (1H. s), 7.17 (1H. s), 7.28 (2H. d., J = 8.5), 7.55 (1H. d.d. J = 8.0, 2.4), 8.19 (1H. br s), 8.25-8.28 (2H. m) 169-171 °C, 'H-NMR (CDCla) & 2.05 (3H. s), 2.22 (3H. s), 2.27 (3H. s), 2.29 (3H. s), 3.01 (6H. s), 6.80 (2H. d., J = 8.5), 6.97 (1H. s), 7.14 (1H. s), 7.28 (1H. d., J = 8.5), 7.49 (1H. d., J = 8.5), 7.92 (1H. brs), 8.05 (1H. d., J = 8.5) 149-152 °C, 'H-NMR (CDCla) & 2.07 (3H. s), 2.28 (3H. s), 7.03 (1H. d., J = 8.5), 7.15 (1H. s), 7.24-7.27 (2H. m), 7.47 (1H. d., J = 8.5) (6H. s), 3.19 (3H. s), 6.80 (2H. d., J = 9.1), 6.94 (1H. s), 7.03 (1H. d., J = 8.5), 7.15 (1H. s), 7.24-7.27 (2H. m), 7.47 (1H. d., J = 8.5) (3H. s), 3.16 (6H. s), 3.59 (3H. s), 3.17 (3H. s), 5.18 (2H. s), 6.59 (1H. d., J = 8.5), 6.84 (1H. s), 7.14 (1H. d., J = 8.5), 7.32-7.48 (7H. m), 7.84 (1H. dd., J = 8.5), 6.84 (1H. s), 7.14 (1H. d., J = 8.5), 3.74 (3H. s), 4.62 (2H. d., J = 6.8), 5.52 (1H. t., J = 6.8), 5.68 (1H. s), 6.81 (1H. d., J = 9.1), 6.94 (2H. d., J = 1.8), 7.05 (1H. d., J = 1.2), 7.81 (1H. dd., J = 8.5), 6.83 (1H. s), 7.07 (1H. d., J = 8.5), 6.59 (1H. d., J = 2.4), 8.46 (1H. d., J = 8.5), 6.83 (1H. s), 7.35 (1H. d., J = 1.2), 8.39 (1H. d., J = 8.5), 6.83 (1H. s), 7.07 (1H. d., J = 8.5), 5.81 (1H. d., J = 8.5), 6.83 (1H. s), 7.07 (1H. d., J = 8.5), 7.34 (1H. d., J = 1.2), 8.39 (1H. d., J = 1.2	10		(3H, s), 2.28 $(3H, s)$, 3.00 $(6H, s)$, 3.83 $(2H, d, J = 6.8)$, 4.81 $(1H, brs)$, 5.35 $(1H, d)$
Ib-73			[t, J = 6.7), 6.29 (1H, d, J = 8.5), 6.79 (2H, d, J = 8.5), 6.97 (1H, s), 7.12 (1H, s), [1.5]
(6H, s), 6.86 (2H, d, J = 8.5), 7.11 (1H, s), 7.17 (1H, s), 7.28 (2H, d, J = 8.5), 7.75 (1H, dd, J = 8.0, 2.4), 8.19 (1H, br s), 8.25-8.28 (2H, m) Ib-75 169-171 °C, 'H-NMR (CDCls) à 2.05 (3H, s), 2.22 (3H, s), 2.27 (3H, s), 2.29 (3H, s), 3.01 (6H, s), 6.80 (2H, d, J = 8.5), 6.97 (1H, s), 7.14 (1H, s), 7.28 (1H, d, J = 8.5), 7.49 (1H, d, J = 8.5), 7.92 (1H, brs), 8.05 (1H, d, J = 8.5), 7.15 (1H, s), 7.24-7.27 (2H, m), 7.47 (1H, d, J = 8.5) Ib-79 149-152 °C, 'H-NMR (CDCls) à 2.07 (3H, s), 2.28 (3H, s), 2.29 (3H, s), 3.00 (6H, s), 3.19 (3H, s), 6.80 (2H, d, J = 9.1), 6.94 (1H, s), 7.03 (1H, d, J = 8.5), 7.15 (1H, s), 7.24-7.27 (2H, m), 7.47 (1H, d, J = 8.5), 6.84 (1H, s), 7.14 (1H, d, J = 8.5), 7.32-7.48 (7H, m), 7.84 (1H, dd, J = 8.5), 6.84 (1H, s), 7.14 (1H, d, J = 8.5), 3.74 (3H, s), 4.62 (2H, d, J = 6.8), 5.52 (1H, t, J = 6.8), 5.68 (1H, s), 5.85 (1H, s), 6.45 (1H, s), 6.61 (1H, d, J = 9.1), 6.94 (2H, d, J = 1.8), 7.05 (1H, d, J = 1.2), 7.81 (1H, dd, J = 8.5), 6.83 (1H, d, J = 8.5), 5.13 (1H, dd, J = 8.5), 5.53 (1H, d, J = 8.5), 5.52 (1H, t, J = 6.8), 5.68 (1H, s), 6.81 (2H, d, J = 0.7, 8.0), 8.75 (1H, dJ, J = 0.7,			
15. 75 (1H, dd, J = 8.0, 2.4), 8.19 (1H, br s), 8.25-8.28 (2H, m) 16.75 16.9-171 °C, 'H-NMR (CDCla) & 2.05 (3H, s), 2.22 (3H, s), 2.27 (3H, s), 2.29 (3H, s), 3.01 (6H, s), 6.80 (2H, d, J = 8.5), 6.97 (1H, s), 7.14 (1H, s), 7.28 (1H, d, J = 8.5), 7.49 (1H, d, J = 8.5), 7.92 (1H, brs), 8.05 (1H, d, J = 8.5) 16.79 14.9-15.2 °C, 'H-NMR (CDCla) & 2.07 (3H, s), 2.28 (3H, s), 2.29 (3H, s), 3.00 (6H, s), 3.19 (3H, s), 6.80 (2H, d, J = 9.1), 6.94 (1H, s), 7.03 (1H, d, J = 8.5), 7.15 (1H, s), 7.24-7.27 (2H, m), 7.47 (1H, d, J = 8.5) 16.81 16.4 16.5 °C, 'H-NMR (CDCla) & 2.69 (3H, s), 3.12 (3H, s), 3.16 (6H, s), 3.59 (3H, s), 3.77 (3H, s), 5.18 (2H, s), 6.59 (1H, d, J = 8.5), 6.84 (1H, s), 7.14 (1H, d, J = 8.5), 7.32-7.48 (7H, m), 7.84 (1H, dd, J = 8.5), 2.4), 8.40 (1H, d, J = 2.4), 16.82 (2H, d, J = 6.8), 5.52 (1H, s), 3.16 (6H, s), 3.52 (3H, s), 3.74 (3H, s), 4.62 (2H, d, J = 6.8), 5.52 (1H, t, J = 6.8), 5.68 (1H, s), 6.45 (1H, s), 6.61 (1H, d, J = 9.1), 6.94 (2H, d, J = 1.8), 7.05 (1H, d, J = 1.2), 7.81 (1H, dd, J = 8.5), 6.83 (1H, d, J = 2.4), 11.20, 7.81 (1H, dd, J = 8.5), 6.83 (1H, s), 3.77 (3H, s), 4.62 (2H, d, J = 6.8), 5.52 (1H, t, J = 6.8), 6.59 (1H, d, J = 8.5), 6.83 (1H, s), 7.07 (1H, d, J = 8.5), 7.34 (1H, dd, J = 8.5), 7.35 (1H, dd, J = 6.8), 5.51 (1H, dd, J = 0.7, 8.0), 8.76 (3H, s), 3.00 (6H, s), 3.80 (3H, s), 7.26 (2H, d, J = 8.8), 7.59 (1H, dd, J = 2.2, 8.0), 8.15 (1H, dd, J = 0.7, 8.0), 8.75 (1H, dd, J = 0.7, 2.2) 16.90 17.91 17.91 18.91		Ib-73	
Ib-75	İ		(6H, s), 6.86 (2H, d, $J = 8.5$), 7.11 (1H, s), 7.17 (1H, s), 7.28 (2H, d, $J = 8.5$),
(3H, s), 3.01 (6H, s), 6.80 (2H, d, J = 8.5), 6.97 (1H, s), 7.14 (1H, s), 7.28 (1H, d, J = 8.5), 7.49 (1H, d, J = 8.5), 7.92 (1H, brs), 8.05 (1H, d, J = 8.5), 7.49 (1H, d, J = 8.5), 7.92 (1H, brs), 8.05 (1H, d, J = 8.5), 7.19 (1H, s), 7.29 (3H, s), 2.28 (3H, s), 2.29 (3H, s), 3.00 (6H, s), 3.19 (3H, s), 6.80 (2H, d, J = 9.1), 6.94 (1H, s), 7.03 (1H, d, J = 8.5), 7.15 (1H, s), 7.24-7.27 (2H, m), 7.47 (1H, d, J = 8.5) [B-81] 164-165 °C, 'H-NMR (CDCls) & 2.69 (3H, s), 3.12 (3H, s), 3.16 (6H, s), 3.59 (3H, s), 3.77 (3H, s), 5.18 (2H, s), 6.59 (1H, d, J = 8.5), 6.84 (1H, s), 7.14 (1H, d, J = 8.5), 7.32-7.48 (7H, m), 7.84 (1H, dd, J = 8.5, 2.4), 8.40 (1H, d, J = 2.4) [B-82] 72-74 °C, 'H-NMR (CDCls) & 1.75 (3H, s), 1.82 (3H, s), 3.16 (6H, s), 3.52 (3H, s), 3.74 (3H, s), 4.62 (2H, d, J = 6.8), 5.52 (1H, t, J = 6.8), 5.68 (1H, s), 5.85 (1H, s), 6.45 (1H, s), 6.61 (1H, d, J = 9.1), 6.94 (2H, d, J = 1.8), 7.05 (1H, d, J = 1.2), 7.81 (1H, dd, J = 8.5, 2.4), 8.46 (1H, d, J = 2.4) [B-83] 132-133 °C, 'H-NMR (CDCls) & 1.75 (3H, s), 1.13 (3H, s), 2.71 (3H, s), 3.15 (6H, s), 3.25 (3H, s), 3.61 (3H, s), 3.77 (3H, s), 4.62 (2H, d, J = 6.8), 5.52 (1H, t, J = 6.8), 6.59 (1H, d, J = 8.5), 6.83 (1H, s), 7.07 (1H, d, J = 8.5), 7.34 (1H, dd, J = 8.5), 1.8), 7.38 (1H, d, J = 1.2) [B-90] 91-91.5 °C, 'H-NMR (CDCls) & 1.79 (3H, s), 1.82 (3H, s), 2.27 (3H, s), 2.31 (3H, s), 3.00 (6H, s), 4.87 (2H, d, J = 7.1), 5.57 (1H, br t, J = 7.1), 6.79-6.83 (3H, m), 7.10 (1H, s), 7.16 (1H, s), 7.27 (2H, d, J = 8.8), 7.59 (1H, dd, J = 2.4, 8.3), 8.17 (1H, dd, J = 0.7, 2.4) [B-90] 293-241 °C, 'H-NMR (CDCls) & 1.76 (3H, s), 1.82 (3H, s), 3.00 (3H, s), 6.81 (2H, d, J = 8.5), 7.26 (2H, d, J = 8.8), 7.59 (1H, dd, J = 2.4, 8.3), 8.17 (1H, dd, J = 0.7, 2.4) [B-10] 159-160 °C, 'H-NMR (CDCls) & 1.76 (3H, s), 1.82 (3H, s), 3.50 (3H, s), 3.60 (3H, s), 4.62 (2H, d, J = 6.8), 5.53 (1H, d, J = 1.8), 7.59 (2H, d, J = 5.5), 8.70 (2H, d, J = 5.5). [B-10] 113-114 °C, 2.28 (3H, s), 2.29 (3H, s), 3.91 (3H, s), 5.21 (2H, s), 6.83 (1H, dd, J = 2.0), 6.95 (1H, dd, J = 1	15		
18-79 149-152 °C, 'H-NMR (CDCls) & 2.07 (3H, s), 2.28 (3H, s), 2.29 (3H, s), 3.00 (6H, s), 3.19 (3H, s), 6.80 (2H, d, J = 9.1), 6.94 (1H, s), 7.03 (1H, d, J = 8.5), 7.15 (1H, s), 7.24-7.27 (2H, m), 7.47 (1H, d, J = 8.5) (3H, s), 3.16 (6H, s), 3.73 (3H, s), 5.70 (3H, s), 6.50 (3H, s), 6.50 (3H, s), 6.50 (1H, d, J = 8.5), 6.84 (1H, s), 7.14 (1H, d, J = 8.5), 7.32-7.48 (7H, m), 7.84 (1H, dd, J = 8.5), 6.84 (1H, s), 7.14 (1H, d, J = 8.5), 7.32-7.48 (7H, m), 7.84 (1H, dd, J = 8.5, 6.84 (1H, s), 7.14 (1H, d, J = 8.5), 7.32-7.48 (7H, m), 7.84 (1H, dd, J = 8.5, 2.4), 8.40 (1H, d, J = 2.4)		Ib-75	
1b-79			
(6H, s), 3.19 (3H, s), 6.80 (2H, d, J = 9.1), 6.94 (1H, s), 7.03 (1H, d, J = 8.5), 7.15 (1H, s), 7.24-7.27 (2H, m), 7.47 (1H, d, J = 8.5) (B-81 164-165 °C, 'H-NMR (CDCls) δ 2.69 (3H, s), 3.12 (3H, s), 3.16 (6H, s), 3.59 (3H, s), 3.77 (3H, s), 5.18 (2H, s), 6.59 (1H, d, J = 8.5), 6.84 (1H, s), 7.14 (1H, d, J = 8.5), 7.32-7.48 (7H, m), 7.84 (1H, dd, J = 8.5, 2.4), 8.40 (1H, d, J = 2.4) (B-82 72-74 °C, 'H-NMR (CDCls) δ 1.75 (3H, s), 1.82 (3H, s), 3.16 (6H, s), 3.52 (3H, s), 3.74 (3H, s), 4.62 (2H, d, J = 6.8), 5.52 (1H, t, J = 6.8), 5.68 (1H, s), 6.85 (1H, s), 6.45 (1H, s), 6.61 (1H, d, J = 9.1), 6.94 (2H, d, J = 1.8), 7.05 (1H, d, J = 1.2), 7.81 (1H, dd, J = 8.5, 2.4) 8.46 (1H, d, J = 2.4) (B-83 132-133 °C, 'H-NMR (CDCls) δ 1.75 (3H, s), 1.81 (3H, s), 2.71 (3H, s), 3.15 (6H, s), 3.25 (3H, s), 3.61 (3H, s), 3.73 (3H, s), 4.62 (2H, d, J = 6.8), 5.52 (1H, t, J = 6.8), 6.59 (1H, d, J = 8.5), 6.83 (1H, s), 7.07 (1H, d, J = 8.5), 7.34 (1H, dd, J = 8.5, 1.8), 7.38 (1H, d, J = 1.8), 7.07 (1H, d, J = 6.1, 1.2), 8.39 (1H, d, J = 1.2) (B-90 91-91.5 °C, 'H-NMR (CDCls) δ 1.79 (3H, s), 1.82 (3H, s), 2.27 (3H, s), 2.31 (3H, s), 3.00 (6H, s), 4.87 (2H, d, J = 7.1), 5.57 (1H, br t, J = 7.1), 6.79-6.83 (3H, m), 7.10 (1H, s), 7.16 (1H, s), 7.27 (2H, d, J = 8.8), 7.59 (1H, dd, J = 2.4, 8.3), 8.17 (1H, dd, J = 0.7, 2.4) (B-90 329-241 °C, 'H-NMR (CDCls) δ 2.28 (3H, s), 2.34 (3H, s), 3.02 (6H, s), 3.30 (3H, s), 6.81 (2H, d, J = 8.8), 7.26 (2H, d, J = 8.8), 7.95 (1H, dd, J = 2.2, 8.0), 8.15 (1H, dd, J = 0.7, 8.0), 8.75 (1H, dd, J = 0.7, 2.2) (B-101 159-160 °C, 'H-NMR (CDCls) δ 1.76 (3H, s), 1.82 (3H, s), 3.50 (3H, s), 3.76 (3H, s), 4.62 (2H, d, J = 6.8), 5.53 (1H, d, J = 8.8), 7.39 (2H, d, J = 5.5), 8.70 (2H, d, J = 5.5). (B-105 113-114 °C, 2.28 (3H, s), 2.29 (3H, s), 3.91 (3H, s), 5.21 (2H, s), 5.84 (1H, s), 7.30 (2H, d, J = 6.9), 5.73 (1H, d, J = 6.8), 5.73 (1H, s), 7.30 (2H, d, J = 6.9), 5.75 (1H, d, J = 6.8), 5.52 (1H, t, J = 6.8), 5.75 (1H, s), 5.86 (3H, s), 4.05 (3H, s), 4.62 (2H, d, J = 6.8), 5.52 (1H, t, J = 6.8), 5.75 (d, J = 8.5). 7.49 (1H, d. J = 8.5), 7.92 (1H, brs), 8.05 (1H, d. J = 8.5)
(6H, \$), 3.19 (3H, \$), 6.50 (2H, M, J = 3.1), 6.54 (1H, \$), 7.05 (1H, M, J = 8.5) Ib-81		Ib-79	
Ib-81 164-165 °C, 'H-NMR (CDCls) & 2.69 (3H, s), 3.12 (3H, s), 3.16 (6H, s), 3.59 (3H, s), 3.77 (3H, s), 5.18 (2H, s), 6.59 (1H, d. J = 8.5), 6.84 (1H, s), 7.14 (1H, d. J = 8.5), 7.32-7.48 (7H, m), 7.84 (1H, d. J = 8.5), 2.4), 8.40 (1H, d. J = 2.4)	20		
(3H, s), 3.77 (3H, s), 5.18 (2H, s), 6.59 (1H, d, J = 8.5), 6.84 (1H, s), 7.14 (1H, d, J = 8.5), 7.32-7.48 (7H, m), 7.84 (1H, dd, J = 8.5), 2.4), 8.40 (1H, d, J = 2.4) Ib-82 72-74 °C, iH-NMR (CDCls) \$ 1.75 (3H, s), 1.82 (3H, s), 3.16 (6H, s), 3.52 (3H, s), 3.74 (3H, s), 4.62 (2H, d, J = 6.8), 5.52 (1H, t, J = 6.8), 5.68 (1H, s), 5.85 (1H, s), 6.45 (1H, s), 6.61 (1H, d, J = 9.1), 6.94 (2H, d, J = 1.8), 7.05 (1H, d, J = 1.2), 7.81 (1H, dd, J = 8.5, 2.4) 8.46 (1H, d, J = 2.4), Ib-83 132-133 °C, iH-NMR (CDCls) \$ 1.75 (3H, s), 1.81 (3H, s), 2.71 (3H, s), 3.15 (6H, s), 3.25 (3H, s), 3.61 (3H, s), 3.77 (3H, s), 4.62 (2H, d, J = 6.8), 5.52 (1H, t, J = 6.8), 6.59 (1H, d, J = 8.5), 6.83 (1H, s), 7.07 (1H, d, J = 8.5), 7.34 (1H, dd, J = 8.5, 1.8), 7.38 (1H, d, J = 1.2) Ib-90 91-91.5 °C, iH-NMR (CDCls) \$ 1.79 (3H, s), 1.82 (3H, s), 2.27 (3H, s), 2.31 (3H, s), 3.00 (6H, s), 4.87 (2H, d, J = 7.1), 5.57 (1H, br t, J = 7.1), 6.79-6.83 (3H, m), 7.10 (1H, s), 7.16 (1H, s), 7.27 (2H, d, J = 8.8), 7.59 (1H, dd, J = 2.4, 8.3), 8.17 (1H, dd, J = 0.7, 2.4) Ib-99 239-241 °C, iH-NMR (CDCls) \$ 2.28 (3H, s), 2.34 (3H, s), 3.02 (6H, s), 3.30 (3H, s), 6.81 (2H, d, J = 8.8), 7.26 (2H, d, J = 8.8), 7.95 (1H, dd, J = 2.2, 8.0), 8.15 (1H, dd, J = 0.7, 8.0), 8.75 (1H, dd, J = 0.7, 2.2) Ib-101 159-160 °C, iH-NMR (CDCls) \$ 1.76 (3H, s), 1.82 (3H, s), 3.50 (3H, s), 3.76 (3H, s), 4.62 (2H, d, J = 6.8), 5.53 (1H, t, J = 6.8), 5.73 (1H, s), 5.84 (1H, s), 6.48 (1H, s), 6.91-6.99 (2H, m), 7.04 (1H, d, J = 1.8), 7.59 (2H, d, J = 5.5), 8.70 (2H, d, J = 5.5). Ib-105 113-114 °C, 2.28 (3H, s), 2.29 (3H, s), 3.91 (3H, s), 5.21 (2H, s), 6.83 (1H, dd, J = 2.0, 8.3), 6.90 (1H, d, J = 2.0), 6.95 (1H, d, J = 8.3), 7.12 (1H, s), 7.17 (1H, s), 7.30 (2H, d, J = 6.1), 7.31-7.50 (5H, m), 8.65 (2H, d, J = 6.1) Ib-124 157-158 °C, iH-NMR (CDCls) \$ 1.76 (3H, s), 1.82 (3H, s), 3.66 (3H, s), 3.80 (3H, s), 4.05 (3H, s), 4.62 (2H, d, J = 6.8), 5.52 (1H, t, J = 6.8), 5.72 (1H, t, J = 6.8), 5.78 (1H, s), 6.89-6.98 (2H, m), 7.03 (1H, d, J = 1.8), 7.09 (1H, s), 7.45 (1H, d	Ĺ		
1. 1. 1. 1. 1. 1. 1. 1.		Ib-81	
1b-82 72-74 °C, 'H-NMR (CDCl ₃) & 1.75 (3H, s), 1.82 (3H, s), 3.16 (6H, s), 3.52 (3H, s), 3.74 (3H, s), 4.62 (2H, d, J = 6.8), 5.52 (1H, t, J = 6.8), 5.68 (1H, s), 5.85 (1H, s), 6.45 (1H, s), 6.61 (1H, d, J = 9.1), 6.94 (2H, d, J = 1.8), 7.05 (1H, d, J = 1.2), 7.81 (1H, dd, J = 8.5, 2.4) 8.46 (1H, d. J = 2.4), 1b-83 132-133 °C, 'H-NMR (CDCl ₃) & 1.75 (3H, s), 1.81 (3H, s), 2.71 (3H, s), 3.15 (6H, s), 3.25 (3H, s), 3.61 (3H, s), 3.77 (3H, s), 4.62 (2H, d, J = 6.8), 5.52 (1H, t, J = 6.8), 6.59 (1H, d, J = 8.5), 6.83 (1H, s), 7.07 (1H, d, J = 8.5), 7.34 (1H, dd, J = 8.5, 1.8), 7.38 (1H, d, J = 1.8), 7.83 (1H, dd, J = 6.1, 1.2), 8.39 (1H, d, J = 1.2) 1b-90 91-91.5 °C, 'H-NMR (CDCl ₃) & 1.79 (3H, s), 1.82 (3H, s), 2.27 (3H, s), 2.31 (3H, s), 3.00 (6H, s), 4.87 (2H, d, J = 7.1), 5.57 (1H, br t, J = 7.1), 6.79-6.83 (3H, m), 7.10 (1H, s), 7.16 (1H, s), 7.27 (2H, d, J = 8.8), 7.59 (1H, dd, J = 2.4, 8.3), 8.17 (1H, dd, J = 0.7, 2.4) 1b-99 239-241 °C, 'H-NMR (CDCl ₃) & 2.28 (3H, s), 2.34 (3H, s), 3.02 (6H, s), 3.30 (3H, s), 6.81 (2H, d, J = 8.8), 7.26 (2H, d, J = 8.8), 7.95 (1H, dd, J = 2.2, 8.0), 8.15 (1H, dd, J = 0.7, 8.0), 8.75 (1H, dd, J = 0.7, 2.2) 1b-101 159-160 °C, 'H-NMR (CDCl ₃) & 1.76 (3H, s), 1.82 (3H, s), 3.50 (3H, s), 3.76 (3H, s), 4.62 (2H, d, J = 6.8), 5.53 (1H, t, J = 6.8), 5.73 (1H, s), 5.84 (1H, s), 6.91-6.99 (2H, m), 7.04 (1H, d, J = 1.8), 7.59 (2H, d, J = 5.5), 8.70 (2H, d, J = 5.5). 1b-105 113-114 °C, 2.28 (3H, s), 2.29 (3H, s), 3.91 (3H, s), 5.21 (2H, s), 6.83 (1H, dd, J = 2.0, 8.3), 6.90 (1H, d, J = 2.0), 6.95 (1H, d, J = 8.3), 7.12 (1H, s), 7.17 (1H, s), 7.30 (2H, d, J = 6.1), 7.31-7.50 (5H, m), 8.65 (2H, d, J = 6.8), 5.72 (1H, s), 7.30 (2H, d, J = 6.1), 7.31-7.50 (5H, m), 8.65 (2H, d, J = 6.8), 5.72 (1H, s), 5.78 (1H, s), 6.89-6.98 (2H, d, J = 6.8), 5.52 (1H, t, J = 6.8), 5.72 (1H, d, J = 6.8), 5.78 (1H, s), 6.89-6.98 (2H, d), 7.03 (1H, d, J = 1.8), 7.09 (1H, s), 7.45 (1H, d, J			
Ib-82 72.74 °C. 'H-NMR (CDCls) & 1.75 (3H, s), 1.82 (3H, s), 3.16 (6H, s), 3.52 (3H, s), 3.74 (3H, s), 4.62 (2H, d, J = 6.8), 5.52 (1H, t, J = 6.8), 5.68 (1H, s), 6.45 (1H, s), 6.61 (1H, d, J = 9.1), 6.94 (2H, d, J = 1.8), 7.05 (1H, d, J = 1.2), 7.81 (1H, dd. J = 8.5, 2.4) 8.46 (1H. d. J = 2.4). Ib-83 132.133 °C, 'H-NMR (CDCls) & 1.75 (3H, s), 1.81 (3H, s), 2.71 (3H, s), 3.15 (6H, s), 3.25 (3H, s), 3.61 (3H, s), 3.77 (3H, s), 4.62 (2H, d, J = 6.8), 5.52 (1H, t, J = 6.8), 6.59 (1H, d, J = 8.5), 6.83 (1H, s), 7.07 (1H, d, J = 8.5), 7.34 (1H, dd, J = 8.5, 1.8), 7.38 (1H, d, J = 1.8), 7.83 (1H, dd, J = 6.1, 1.2), 8.39 (1H, d, J = 1.2) Ib-90 91.91.5 °C, 'H-NMR (CDCls) & 1.79 (3H, s), 1.82 (3H, s), 2.27 (3H, s), 2.31 (3H, s), 3.00 (6H, s), 4.87 (2H, d, J = 7.1), 5.57 (1H, br t, J = 7.1), 6.79-6.83 (3H, m), 7.10 (1H, s), 7.16 (1H, s), 7.27 (2H, d, J = 8.8), 7.59 (1H, dd, J = 2.4, 8.3), 8.17 (1H, dd. J = 0.7, 2.4) Ib-99 239-241 °C, 'H-NMR (CDCls) & 2.28 (3H, s), 2.34 (3H, s), 3.02 (6H, s), 3.30 (3H, s), 6.81 (2H, d, J = 8.8), 7.26 (2H, d, J = 8.8), 7.95 (1H, dd. J = 2.2, 8.0), 8.15 (1H, dd. J = 0.7, 8.0), 8.75 (1H, dd. J = 0.7, 2.2) Ib-101 159-160 °C, 'H-NMR (CDCls) & 1.76 (3H, s), 1.82 (3H, s), 3.50 (3H, s), 3.76 (3H, s), 4.62 (2H, d, J = 6.8), 5.53 (1H, t, J = 6.8), 5.73 (1H, s), 5.84 (1H, s), 6.91-6.99 (2H, m), 7.04 (1H, d, J = 1.8), 7.59 (2H, d, J = 5.5), 8.70 (2H, d, J = 5.5). Ib-105 113-114 °C, 2.28 (3H, s), 2.29 (3H, s), 3.91 (3H, s), 5.21 (2H, s), 6.83 (1H, dd, J = 2.0, 8.3), 6.90 (1H, d, J = 2.0), 6.95 (1H, d, J = 8.3), 7.12 (1H, s), 7.17 (1H, s), 7.30 (2H, d, J = 6.1), 7.31-7.50 (5H, m), 8.65 (2H, d, J = 6.8), 5.72 (1H, s), 7.30 (2H, d, J = 6.1), 7.31-7.50 (5H, m), 8.65 (2H, d, J = 6.8), 5.72 (1H, s), 7.30 (2H, d, J = 6.1), 7.31-7.50 (5H, m), 8.65 (2H, d, J = 6.8), 5.72 (1H, s), 5.78 (1H, s), 6.89-6.98 (2H, m), 7.03 (1H, d, J = 1.8), 7.09 (1H, s), 7.45 (1H, d, J = 1.8), 7.80 (1H, s), 6.89-6.98 (2H, m), 7.03 (1H, d, J = 1.8), 7.09 (1H, s), 7.45 (1H, d, J	25		
(1H, s), 6.45 (1H, s), 6.61 (1H, d, J = 9.1), 6.94 (2H, d, J = 1.8), 7.05 (1H, d, J = 1.2), 7.81 (1H, dd. J = 8.5, 2.4) 8.46 (1H, d. J = 2.4), 132-133 °C, 'H-NMR (CDCl ₂) δ 1.75 (3H, s), 1.81 (3H, s), 2.71 (3H, s), 3.15 (6H, s), 3.25 (3H, s), 3.61 (3H, s), 3.77 (3H, s), 4.62 (2H, d, J = 6.8), 5.52 (1H, t, J = 6.8), 6.59 (1H, d, J = 8.5), 6.83 (1H, s), 7.07 (1H, d, J = 8.5), 7.34 (1H, dd, J = 8.5, 1.8), 7.38 (1H, d, J = 1.2) 1b-90		Ib-82	
1.2), 7.81 (1H, dd. J = 8.5, 2.4) 8.46 (1H, d. J = 2.4), 1b-83			
1b-83 132-133 °C, ¹H-NMR (CDCl ₃) δ 1.75 (3H, s), 1.81 (3H, s), 2.71 (3H, s), 3.15 (6H, s), 3.25 (3H, s), 3.61 (3H, s), 3.77 (3H, s), 4.62 (2H, d, J = 6.8), 5.52 (1H, t, J = 6.8), 6.59 (1H, d, J = 8.5), 6.83 (1H, s), 7.07 (1H, d, J = 8.5), 7.34 (1H, dd, J = 8.5, 1.8), 7.38 (1H, d, J = 1.8), 7.83 (1H, dd, J = 6.1, 1.2), 8.39 (1H, d, J = 1.2) 1b-90 91-91.5 °C, ¹H-NMR (CDCl ₃) δ 1.79 (3H, s), 1.82 (3H, s), 2.27 (3H, s), 2.31 (3H, s), 3.00 (6H, s), 4.87 (2H, d, J = 7.1), 5.57 (1H, br t, J = 7.1), 6.79-6.83 (3H, m), 7.10 (1H, s), 7.16 (1H, s), 7.27 (2H, d, J = 8.8), 7.59 (1H, dd, J = 2.4, 8.3), 8.17 (1H, dd, J = 0.7, 2.4) 1b-99 239-241 °C, ¹H-NMR (CDCl ₃) δ 2.28 (3H, s), 2.34 (3H, s), 3.02 (6H, s), 3.30 (3H, s), 6.81 (2H, d, J = 8.8), 7.26 (2H, d, J = 8.8), 7.95 (1H, dd, J = 2.2, 8.0), 8.15 (1H, dd, J = 0.7, 8.0), 8.75 (1H, dd, J = 0.7, 2.2) 1b-101 159-160 °C, ¹H-NMR (CDCl ₃) δ 1.76 (3H, s), 1.82 (3H, s), 3.50 (3H, s), 3.76 (3H, s), 4.62 (2H, d, J = 6.8), 5.53 (1H, t, J = 6.8), 5.73 (1H, s), 5.84 (1H, s), 6.48 (1H, s), 6.91-6.99 (2H, m), 7.04 (1H, d, J = 1.8), 7.59 (2H, d, J = 5.5), 8.70 (2H, d, J = 5.5). 1b-105 113-114 °C, 2.28 (3H, s), 2.29 (3H, s), 3.91 (3H, s), 5.21 (2H, s), 6.83 (1H, dd, J = 2.0, 8.3), 6.90 (1H, d, J = 2.0), 6.95 (1H, d, J = 8.3), 7.12 (1H, s), 7.17 (1H, s), 7.30 (2H, d, J = 6.1), 7.31-7.50 (5H, m), 8.65 (2H, d, J = 6.1) 1b-124 157-158 °C, ¹H-NMR (CDCl ₃) δ 1.76 (3H, s), 1.82 (3H, s), 3.66 (3H, s), 3.80 (3H, s), 4.05 (3H, s), 4.62 (2H, d, J = 6.8), 5.52 (1H, t, J = 6.8), 5.72 (1H, s), 5.78 (1H, s), 6.89-6.98 (2H, m), 7.03 (1H, d, J = 1.8) 7.09 (1H, s), 7.45 (1H, d, J			(1H, s), 6.45 (1H, s), 6.61 (1H, d, $J = 9.1$), 6.94 (2H, d, $J = 1.8$), 7.05 (1H, d, $J = 1.8$)
(6H, s), 3.25 (3H, s), 3.61 (3H, s), 3.77 (3H, s), 4.62 (2H, d, J = 6.8), 5.52 (1H, t, J = 6.8), 6.59 (1H, d, J = 8.5), 6.83 (1H, s), 7.07 (1H, d, J = 8.5), 7.34 (1H, dd, J = 8.5, 1.8), 7.38 (1H, d, J = 1.8), 7.83 (1H, dd, J = 6.1, 1.2), 8.39 (1H, d, J = 1.2) Ib-90 91-91.5 °C, 'H-NMR (CDCl ₃) δ 1.79 (3H, s). 1.82 (3H, s), 2.27 (3H, s), 2.31 (3H, s), 3.00 (6H, s), 4.87 (2H, d, J = 7.1), 5.57 (1H, br t, J = 7.1), 6.79-6.83 (3H, m), 7.10 (1H, s), 7.16 (1H, s), 7.27 (2H, d, J = 8.8), 7.59 (1H, dd, J = 2.4, 8.3), 8.17 (1H, dd, J = 0.7, 2.4) Ib-99 239-241 °C, 'H-NMR (CDCl ₃) δ 2.28 (3H, s), 2.34 (3H, s), 3.02 (6H, s), 3.30 (3H, s), 6.81 (2H, d, J = 8.8), 7.26 (2H, d, J = 8.8), 7.95 (1H, dd, J = 2.2, 8.0), 8.15 (1H, dd, J = 0.7, 8.0), 8.75 (1H, dd, J = 0.7, 2.2) Ib-101 159-160 °C, 'H-NMR (CDCl ₃) δ 1.76 (3H, s), 1.82 (3H, s), 3.50 (3H, s), 3.76 (3H, s), 4.62 (2H, d, J = 6.8), 5.53 (1H, t, J = 6.8), 5.73 (1H, s), 5.84 (1H, s), 6.48 (1H, s), 6.91-6.99 (2H, m), 7.04 (1H, d, J = 1.8), 7.59 (2H, d, J = 5.5), 8.70 (2H, d, J = 5.5). Ib-105 113-114 °C, 2.28 (3H, s), 2.29 (3H, s), 3.91 (3H, s), 5.21 (2H, s), 6.83 (1H, dd, J = 2.0, 8.3), 6.90 (1H, d, J = 2.0), 6.95 (1H, d, J = 8.3), 7.12 (1H, s), 7.17 (1H, s), 7.30 (2H, d, J = 6.1), 7.31-7.50 (5H, m), 8.65 (2H, d, J = 6.1) Ib-124 157-158 °C, 'H-NMR (CDCl ₃) δ 1.76 (3H, s), 1.82 (3H, s), 3.66 (3H, s), 3.80 (3H, s), 4.05 (3H, s), 4.62 (2H, d, J = 6.8), 5.52 (1H, t, J = 6.8), 5.72 (1H, s), 5.78 (1H, s), 6.89-6.98 (2H, m), 7.03 (1H, d, J = 1.8) 7.09 (1H, s), 7.45 (1H, d, J	<u> </u>		1.2), 7.81 (1H, dd, $J = 8.5$, 2.4) 8.46 (1H, d, $J = 2.4$),
t, J = 6.8), 6.59 (1H, d, J = 8.5), 6.83 (1H, s), 7.07 (1H, d, J = 8.5), 7.34 (1H, dd, J = 8.5, 1.8), 7.38 (1H, d, J = 1.8), 7.83 (1H, dd, J = 6.1, 1.2), 8.39 (1H, d, J = 1.2) Ib-90 91-91.5 °C, ¹H-NMR (CDCls) & 1.79 (3H, s). 1.82 (3H, s), 2.27 (3H, s), 2.31 (3H, s), 3.00 (6H, s), 4.87 (2H, d, J = 7.1), 5.57 (1H, br t, J = 7.1), 6.79-6.83 (3H, m), 7.10 (1H, s), 7.16 (1H, s), 7.27 (2H, d, J = 8.8), 7.59 (1H, dd, J = 2.4, 8.3), 8.17 (1H, dd, J = 0.7, 2.4) Ib-99 239-241 °C, ¹H-NMR (CDCls) & 2.28 (3H, s), 2.34 (3H, s), 3.02 (6H, s), 3.30 (3H, s), 6.81 (2H, d, J = 8.8), 7.26 (2H, d, J = 8.8), 7.95 (1H, dd, J = 2.2, 8.0), 8.15 (1H, dd, J = 0.7, 8.0), 8.75 (1H, dd, J = 0.7, 2.2) Ib-101 159-160 °C, ¹H-NMR (CDCls) & 1.76 (3H, s), 1.82 (3H, s), 3.50 (3H, s), 3.76 (3H, s), 4.62 (2H, d, J = 6.8), 5.53 (1H, t, J = 6.8), 5.73 (1H, s), 5.84 (1H, s), 6.48 (1H, s), 6.91-6.99 (2H, m), 7.04 (1H, d, J = 1.8), 7.59 (2H, d, J = 5.5), 8.70 (2H, d, J = 5.5). Ib-105 113-114 °C, 2.28 (3H, s), 2.29 (3H, s), 3.91 (3H, s), 5.21 (2H, s), 6.83 (1H, dd, J = 2.0, 8.3), 6.90 (1H, d, J = 2.0), 6.95 (1H, d, J = 8.3), 7.12 (1H, s), 7.17 (1H, s), 7.30 (2H, d, J = 6.1), 7.31-7.50 (5H, m), 8.65 (2H, d, J = 6.1) Ib-124 157-158 °C, ¹H-NMR (CDCls) & 1.76 (3H, s), 1.82 (3H, s), 3.66 (3H, s), 3.80 (3H, s), 4.05 (3H, s), 4.62 (2H, d, J = 6.8), 5.52 (1H, t, J = 6.8), 5.72 (1H, s), 5.78 (1H, s), 6.89-6.98 (2H, m), 7.03 (1H, d, J = 1.8), 7.09 (1H, s), 7.45 (1H, d, J	30	Tb-83	132-133 °C, 'H-NMR (CDCl ₃) δ 1.75 (3H, s), 1.81 (3H, s), 2.71 (3H, s), 3.15
dd, J = 8.5, 1.8), 7.38 (1H, d, J = 1.8), 7.83 (1H, dd, J = 6.1, 1.2), 8.39 (1H, d, J = 1.2) Ib-90			
1.2 Ib-90 91-91.5 °C, ¹H-NMR (CDCl ₃) δ 1.79 (3H, s). 1.82 (3H, s). 2.27 (3H, s), 2.31 (3H, s), 3.00 (6H, s), 4.87 (2H, d, J = 7.1), 5.57 (1H, br t, J = 7.1), 6.79-6.83 (3H, m), 7.10 (1H, s), 7.16 (1H, s), 7.27 (2H, d, J = 8.8), 7.59 (1H, dd, J = 2.4, 8.3), 8.17 (1H, dd. J = 0.7, 2.4) Ib-99 239-241 °C, ¹H-NMR (CDCl ₃) δ 2.28 (3H, s), 2.34 (3H, s), 3.02 (6H, s), 3.30 (3H, s), 6.81 (2H, d, J = 8.8), 7.26 (2H, d, J = 8.8), 7.95 (1H, dd. J = 2.2, 8.0), 8.15 (1H, dd. J = 0.7, 8.0), 8.75 (1H, dd. J = 0.7, 2.2) Ib-101 159-160 °C, ¹H-NMR (CDCl ₃) δ 1.76 (3H, s), 1.82 (3H, s), 3.50 (3H, s), 3.76 (3H, s), 4.62 (2H, d, J = 6.8), 5.53 (1H, t, J = 6.8), 5.73 (1H, s), 5.84 (1H, s), 6.48 (1H, s), 6.91-6.99 (2H, m), 7.04 (1H, d, J = 1.8), 7.59 (2H, d, J = 5.5), 8.70 (2H, d, J = 5.5). Ib-105 113-114 °C, 2.28 (3H, s), 2.29 (3H, s), 3.91 (3H, s), 5.21 (2H, s), 6.83 (1H, dd, J = 2.0, 8.3), 6.90 (1H, d, J = 2.0), 6.95 (1H, d, J = 8.3), 7.12 (1H, s), 7.17 (1H, s), 7.30 (2H, d, J = 6.1), 7.31-7.50 (5H, m), 8.65 (2H, d, J = 6.1) Ib-124 157-158 °C, ¹H-NMR (CDCl ₃) δ 1.76 (3H, s), 1.82 (3H, s), 3.66 (3H, s), 3.80 (3H, s), 4.05 (3H, s), 4.62 (2H, d, J = 6.8), 5.52 (1H, t, J = 6.8), 5.72 (1H, s), 5.78 (1H, s), 6.89-6.98 (2H, m), 7.03 (1H, d, J = 1.8), 7.09 (1H, s), 7.45 (1H, d, J			
1b-90 91-91.5 °C, ¹H-NMR (CDCl₃) δ 1.79 (3H, s). 1.82 (3H, s). 2.27 (3H, s), 2.31 (3H, s), 3.00 (6H, s), 4.87 (2H, d, J = 7.1), 5.57 (1H, br t, J = 7.1), 6.79-6.83 (3H, m), 7.10 (1H, s), 7.16 (1H, s), 7.27 (2H, d, J = 8.8), 7.59 (1H, dd, J = 2.4, 8.3), 8.17 (1H, dd, J = 0.7, 2.4) 1b-99 239-241 °C, ¹H-NMR (CDCl₃) δ 2.28 (3H, s), 2.34 (3H, s), 3.02 (6H, s), 3.30 (3H, s), 6.81 (2H, d, J = 8.8), 7.26 (2H, d, J = 8.8), 7.95 (1H, dd, J = 2.2, 8.0), 8.15 (1H, dd, J = 0.7, 8.0), 8.75 (1H, dd, J = 0.7, 2.2) 1b-101 159-160 °C, ¹H-NMR (CDCl₃) δ 1.76 (3H, s), 1.82 (3H, s), 3.50 (3H, s), 3.76 (3H, s), 4.62 (2H, d, J = 6.8), 5.53 (1H, t, J = 6.8), 5.73 (1H, s), 5.84 (1H, s), 6.48 (1H, s), 6.91-6.99 (2H, m), 7.04 (1H, d, J = 1.8), 7.59 (2H, d, J = 5.5), 8.70 (2H, d, J = 5.5). 1b-105 113-114 °C, 2.28 (3H, s), 2.29 (3H, s), 3.91 (3H, s), 5.21 (2H, s), 6.83 (1H, dd, J = 2.0, 8.3), 6.90 (1H, d, J = 2.0), 6.95 (1H, d, J = 8.3), 7.12 (1H, s), 7.17 (1H, s), 7.30 (2H, d, J = 6.1), 7.31-7.50 (5H, m), 8.65 (2H, d, J = 6.1) 1b-124 157-158 °C, ¹H-NMR (CDCl₃) δ 1.76 (3H, s), 1.82 (3H, s), 3.66 (3H, s), 3.80 (3H, s), 4.05 (3H, s), 4.62 (2H, d, J = 6.8), 5.52 (1H, t, J = 6.8), 5.72 (1H, s), 5.78 (1H, s), 6.89-6.98 (2H, m), 7.03 (1H, d, J = 1.8), 7.09 (1H, s), 7.45 (1H, d, J			_
(3H, s), 3.00 (6H, s), 4.87 (2H, d, J = 7.1), 5.57 (1H, br t, J = 7.1), 6.79-6.83 (3H, m), 7.10 (1H, s), 7.16 (1H, s), 7.27 (2H, d, J = 8.8), 7.59 (1H, dd, J = 2.4, 8.3), 8.17 (1H, dd, J = 0.7, 2.4) Ib-99 239-241 °C, 'H-NMR (CDCls) & 2.28 (3H, s), 2.34 (3H, s), 3.02 (6H, s), 3.30 (3H, s), 6.81 (2H, d, J = 8.8), 7.26 (2H, d, J = 8.8), 7.95 (1H, dd, J = 2.2, 8.0), 8.15 (1H, dd, J = 0.7, 8.0), 8.75 (1H, dd, J = 0.7, 2.2) Ib-101 159-160 °C, 'H-NMR (CDCls) & 1.76 (3H, s), 1.82 (3H, s), 3.50 (3H, s), 3.76 (3H, s), 4.62 (2H, d, J = 6.8), 5.53 (1H, t, J = 6.8), 5.73 (1H, s), 5.84 (1H, s), 6.48 (1H, s), 6.91-6.99 (2H, m), 7.04 (1H, d, J = 1.8), 7.59 (2H, d, J = 5.5), 8.70 (2H, d, J = 5.5). Ib-105 113-114 °C, 2.28 (3H, s), 2.29 (3H, s), 3.91 (3H, s), 5.21 (2H, s), 6.83 (1H, dd, J = 2.0, 8.3), 6.90 (1H, d, J = 2.0), 6.95 (1H, d, J = 8.3), 7.12 (1H, s), 7.30 (2H, d, J = 6.1), 7.31-7.50 (5H, m), 8.65 (2H, d, J = 6.1) Ib-124 157-158 °C, 'H-NMR (CDCls) & 1.76 (3H, s), 1.82 (3H, s), 3.66 (3H, s), 3.80 (3H, s), 4.05 (3H, s), 4.62 (2H, d, J = 6.8), 5.52 (1H, t, J = 6.8), 5.72 (1H, s), 5.78 (1H, s), 6.89-6.98 (2H, m), 7.03 (1H, d, J = 1.8), 7.09 (1H, s), 7.45 (1H, d, J	<u> </u>		
(3H, m), 7.10 (1H, s), 7.16 (1H, s), 7.27 (2H, d, J = 8.8), 7.59 (1H, dd, J = 2.4, 8.3), 8.17 (1H, dd, J = 0.7, 2.4) Ib-99 239-241 °C, 'H-NMR (CDCl ₃) δ 2.28 (3H, s), 2.34 (3H, s), 3.02 (6H, s), 3.30 (3H, s), 6.81 (2H, d, J = 8.8), 7.26 (2H, d, J = 8.8), 7.95 (1H, dd, J = 2.2, 8.0), 8.15 (1H, dd, J = 0.7, 8.0), 8.75 (1H, dd, J = 0.7, 2.2) Ib-101 159-160 °C, 'H-NMR (CDCl ₃) δ 1.76 (3H, s), 1.82 (3H, s), 3.50 (3H, s), 3.76 (3H, s), 4.62 (2H, d, J = 6.8), 5.53 (1H, t, J = 6.8), 5.73 (1H, s), 5.84 (1H, s), 6.48 (1H, s), 6.91-6.99 (2H, m), 7.04 (1H, d, J = 1.8), 7.59 (2H, d, J = 5.5), 8.70 (2H, d, J = 5.5). Ib-105 113-114 °C, 2.28 (3H, s), 2.29 (3H, s), 3.91 (3H, s), 5.21 (2H, s), 6.83 (1H, dd, J = 2.0, 8.3), 6.90 (1H, d, J = 2.0), 6.95 (1H, d, J = 8.3), 7.12 (1H, s), 7.17 (1H, s), 7.30 (2H, d, J = 6.1), 7.31-7.50 (5H, m), 8.65 (2H, d, J = 6.1) Ib-124 157-158 °C, 'H-NMR (CDCl ₃) δ 1.76 (3H, s), 1.82 (3H, s), 3.66 (3H, s), 3.80 (3H, s), 4.05 (3H, s), 4.62 (2H, d, J = 6.8), 5.52 (1H, t, J = 6.8), 5.72 (1H, s), 5.78 (1H, s), 6.89-6.98 (2H, m), 7.03 (1H, d, J = 1.8) 7.09 (1H, s), 7.45 (1H, d, J	35	Ib-90	91-91.5 °C, 'H-NMR (CDCL) & 1.79 (3H, s), 1.82 (3H, s), 2.27 (3H, s), 2.31
8.3), 8.17 (1H, dd. J = 0.7, 2.4) Ib-99 239-241 °C, ¹H-NMR (CDCl ₃) δ 2.28 (3H, s), 2.34 (3H, s), 3.02 (6H, s), 3.30 (3H, s), 6.81 (2H, d, J = 8.8), 7.26 (2H, d, J = 8.8), 7.95 (1H, dd, J = 2.2, 8.0), 8.15 (1H, dd. J = 0.7, 8.0), 8.75 (1H, dd. J = 0.7, 2.2) Ib-101 159-160 °C, ¹H-NMR (CDCl ₃) δ 1.76 (3H, s), 1.82 (3H, s), 3.50 (3H, s), 3.76 (3H, s), 4.62 (2H, d, J = 6.8), 5.53 (1H, t, J = 6.8), 5.73 (1H, s), 5.84 (1H, s), 6.48 (1H, s), 6.91-6.99 (2H, m), 7.04 (1H, d, J = 1.8), 7.59 (2H, d, J = 5.5), 8.70 (2H, d, J = 5.5). Ib-105 113-114 °C, 2.28 (3H, s), 2.29 (3H, s), 3.91 (3H, s), 5.21 (2H, s), 6.83 (1H, dd, J = 2.0, 8.3), 6.90 (1H, d, J = 2.0), 6.95 (1H, d, J = 8.3), 7.12 (1H, s), 7.17 (1H, s), 7.30 (2H, d, J = 6.1), 7.31-7.50 (5H, m), 8.65 (2H, d, J = 6.1) Ib-124 157-158 °C, ¹H-NMR (CDCl ₃) δ 1.76 (3H, s), 1.82 (3H, s), 3.66 (3H, s), 3.80 (3H, s), 4.05 (3H, s), 4.62 (2H, d, J = 6.8), 5.52 (1H, t, J = 6.8), 5.72 (1H, s), 5.78 (1H, s), 6.89-6.98 (2H, m), 7.03 (1H, d, J = 1.8) 7.09 (1H, s), 7.45 (1H, d, J			(3H, s), 3.00 (6H, s), 4.87 (2H, d, J = 7.1), 5.57 (1H, br t, J = 7.1), 5.79-5.83
Ib-99 239-241 °C. ¹H-NMR (CDCl ₃) δ 2.28 (3H, s), 2.34 (3H, s), 3.02 (6H, s), 3.30 (3H, s), 6.81 (2H, d, J = 8.8), 7.26 (2H, d, J = 8.8), 7.95 (1H, dd, J = 2.2, 8.0), 8.15 (1H, dd, J = 0.7, 8.0), 8.75 (1H, dd, J = 0.7, 2.2) Ib-101 159-160 °C. ¹H-NMR (CDCl ₃) δ 1.76 (3H, s), 1.82 (3H, s), 3.50 (3H, s), 3.76 (3H, s), 4.62 (2H, d, J = 6.8), 5.53 (1H, t, J = 6.8), 5.73 (1H, s), 5.84 (1H, s), 6.48 (1H, s), 6.91-6.99 (2H, m), 7.04 (1H, d, J = 1.8), 7.59 (2H, d, J = 5.5), 8.70 (2H, d, J = 5.5). Ib-105 113-114 °C, 2.28 (3H, s), 2.29 (3H, s), 3.91 (3H, s), 5.21 (2H, s), 6.83 (1H, dd, J = 2.0, 8.3), 6.90 (1H, d, J = 2.0), 6.95 (1H, d, J = 8.3), 7.12 (1H, s), 7.17 (1H, s), 7.30 (2H, d, J = 6.1), 7.31-7.50 (5H, m), 8.65 (2H, d, J = 6.1) Ib-124 157-158 °C, ¹H-NMR (CDCl ₃) δ 1.76 (3H, s), 1.82 (3H, s), 3.66 (3H, s), 3.80 (3H, s), 4.05 (3H, s), 4.62 (2H, d, J = 6.8), 5.52 (1H, t, J = 6.8), 5.72 (1H, s), 5.78 (1H, s), 6.89-6.98 (2H, m), 7.03 (1H, d, J = 1.8) 7.09 (1H, s), 7.45 (1H, d, J			
(3H, s), 6.81 (2H, d, J = 8.8), 7.26 (2H, d, J = 8.8), 7.95 (1H, dd, J = 2.2, 8.0), 8.15 (1H, dd, J = 0.7, 8.0), 8.75 (1H, dd, J = 0.7, 2.2) Ib-101 159-160 °C. ¹H-NMR (CDCl ₃) δ 1.76 (3H, s), 1.82 (3H, s), 3.50 (3H, s), 3.76 (3H, s), 4.62 (2H, d, J = 6.8), 5.53 (1H, t, J = 6.8), 5.73 (1H, s), 5.84 (1H, s), 6.48 (1H, s), 6.91-6.99 (2H, m), 7.04 (1H, d, J = 1.8), 7.59 (2H, d, J = 5.5), 8.70 (2H, d, J = 5.5). Ib-105 113-114 °C, 2.28 (3H, s), 2.29 (3H, s), 3.91 (3H, s), 5.21 (2H, s), 6.83 (1H, dd, J = 2.0, 8.3), 6.90 (1H, d, J = 2.0), 6.95 (1H, d, J = 8.3), 7.12 (1H, s), 7.17 (1H, s), 7.30 (2H, d, J = 6.1), 7.31-7.50 (5H, m), 8.65 (2H, d, J = 6.1) Ib-124 157-158 °C, ¹H-NMR (CDCl ₃) δ 1.76 (3H, s), 1.82 (3H, s), 3.66 (3H, s), 3.80 (3H, s), 4.05 (3H, s), 4.62 (2H, d, J = 6.8), 5.52 (1H, t, J = 6.8), 5.72 (1H, s), 5.78 (1H, s), 6.89-6.98 (2H, m), 7.03 (1H, d, J = 1.8) 7.09 (1H, s), 7.45 (1H, d, J	-		[8.3], 8.17 (1H, dd. $J = 0.7$, 2.4)
8.15 (1H, dd. J = 0.7, 8.0), 8.75 (1H, dd. J = 0.7, 2.2) Ib-101 159-160 °C. ¹H-NMR (CDCl ₃) δ 1.76 (3H, s), 1.82 (3H, s), 3.50 (3H, s), 3.76 (3H, s), 4.62 (2H, d, J = 6.8), 5.53 (1H, t, J = 6.8), 5.73 (1H, s), 5.84 (1H, s), 6.48 (1H, s), 6.91-6.99 (2H, m), 7.04 (1H, d, J = 1.8), 7.59 (2H, d, J = 5.5), 8.70 (2H, d, J = 5.5). Ib-105 113-114 °C, 2.28 (3H, s), 2.29 (3H, s), 3.91 (3H, s), 5.21 (2H, s), 6.83 (1H, dd, J = 2.0, 8.3), 6.90 (1H, d, J = 2.0), 6.95 (1H, d, J = 8.3), 7.12 (1H, s), 7.17 (1H, s), 7.30 (2H, d, J = 6.1), 7.31-7.50 (5H, m), 8.65 (2H, d, J = 6.1) Ib-124 157-158 °C, ¹H-NMR (CDCl ₃) δ 1.76 (3H, s), 1.82 (3H, s), 3.66 (3H, s), 3.80 (3H, s), 4.05 (3H, s), 4.62 (2H, d, J = 6.8), 5.52 (1H, t, J = 6.8), 5.72 (1H, s), 5.78 (1H, s), 6.89-6.98 (2H, m), 7.03 (1H, d, J = 1.8) 7.09 (1H, s), 7.45 (1H, d, J		16-99	239-241 °C, 'H-NMR (CDCls) 8 2.28 (3H, s), 2.34 (3H, s), 3.02 (6H, s), 3.30
Ib-101 159-160 °C. ¹H-NMR (CDCl ₃) δ 1.76 (3H, s), 1.82 (3H. s), 3.50 (3H. s), 3.76 (3H. s), 4.62 (2H, d, J = 6.8), 5.53 (1H, t, J = 6.8), 5.73 (1H. s), 5.84 (1H, s). 6.48 (1H, s), 6.91-6.99 (2H, m), 7.04 (1H, d, J = 1.8), 7.59 (2H, d, J = 5.5), 8.70 (2H, d. J = 5.5). Ib-105 113-114 °C, 2.28 (3H, s), 2.29 (3H, s), 3.91 (3H. s), 5.21 (2H, s), 6.83 (1H, dd, J = 2.0, 8.3), 6.90 (1H, d, J = 2.0), 6.95 (1H, d, J = 8.3), 7.12 (1H, s), 7.17 (1H, s), 7.30 (2H, d. J = 6.1), 7.31-7.50 (5H. m), 8.65 (2H, d. J = 6.1) Ib-124 157-158 °C, ¹H-NMR (CDCl ₃) δ 1.76 (3H, s), 1.82 (3H, s), 3.66 (3H, s), 3.80 (3H, s), 4.05 (3H, s), 4.62 (2H, d. J = 6.8), 5.52 (1H, t, J = 6.8), 5.72 (1H, s), 5.78 (1H, s), 6.89-6.98 (2H, m), 7.03 (1H, d. J = 1.8) 7.09 (1H, s), 7.45 (1H, d. J	40		
(3H, s), 4.62 (2H, d, J = 6.8), 5.53 (1H, t, J = 6.8), 5.73 (1H, s), 5.84 (1H, s), 6.48 (1H, s), 6.91-6.99 (2H, m), 7.04 (1H, d, J = 1.8), 7.59 (2H, d, J = 5.5), 8.70 (2H, d, J = 5.5), 8.70 (2H, d, J = 5.5), 8.70 (113-114 °C, 2.28 (3H, s), 2.29 (3H, s), 3.91 (3H, s), 5.21 (2H, s), 6.83 (1H, dd, J = 2.0, 8.3), 6.90 (1H, d, J = 2.0), 6.95 (1H, d, J = 8.3), 7.12 (1H, s), 7.17 (1H, s), 7.30 (2H, d, J = 6.1), 7.31-7.50 (5H, m), 8.65 (2H, d, J = 6.1) (2H, d, J = 6.8), 5.72 (1H, s), 6.89-6.98 (2H, d, J = 6.8), 5.52 (1H, t, J = 6.8), 5.72 (1H, s), 5.78 (1H, s), 6.89-6.98 (2H, m), 7.03 (1H, d, J = 1.8) 7.09 (1H, s), 7.45 (1H, d, J	-		8.15 (1H, dd. J = 0.7, 8.0), 8.75 (1H, dd. J = 0.7, 2.2)
6.48 (1H, s), 6.91-6.99 (2H, m), 7.04 (1H, d, J = 1.8), 7.59 (2H, d, J = 5.5), 8.70 (2H, d, J = 5.5). Ib-105 113-114 °C, 2.28 (3H, s), 2.29 (3H, s), 3.91 (3H, s), 5.21 (2H, s), 6.83 (1H, dd, J = 2.0, 8.3), 6.90 (1H, d, J = 2.0), 6.95 (1H, d, J = 8.3), 7.12 (1H, s), 7.17 (1H, s), 7.30 (2H, d, J = 6.1), 7.31-7.50 (5H, m), 8.65 (2H, d, J = 6.1) Ib-124 157-158 °C, ¹H-NMR (CDCls) & 1.76 (3H, s), 1.82 (3H, s), 3.66 (3H, s), 3.80 (3H, s), 4.05 (3H, s), 4.62 (2H, d, J = 6.8), 5.52 (1H, t, J = 6.8), 5.72 (1H, s), 5.78 (1H, s), 6.89-6.98 (2H, m), 7.03 (1H, d, J = 1.8) 7.09 (1H, s), 7.45 (1H, d, J)		1b-101	159-160 °C. ¹H-NMR (CDCl3) & 1.76 (3H, s), 1.82 (3H. s), 3.50 (3H, s), 3.76
(2H, d, J = 5.5). Ib-105			(3H, s), 4.62 (2H, d, $J = 6.8), 5.53$ (1H, t, $J = 6.8), 5.73$ (1H, s), 5.64 (1H, s).
Ib-105 113-114 °C, 2.28 (3H, s), 2.29 (3H, s), 3.91 (3H, s), 5.21 (2H, s), 6.83 (1H, dd, J = 2.0, 8.3), 6.90 (1H, d, J = 2.0), 6.95 (1H, d, J = 8.3), 7.12 (1H, s), 7.17 (1H, s), 7.30 (2H, d, J = 6.1), 7.31-7.50 (5H, m), 8.65 (2H, d, J = 6.1) Ib-124 157-158 °C, ¹H-NMR (CDCl ₃) δ 1.76 (3H, s), 1.82 (3H, s), 3.66 (3H, s), 3.80 (3H, s), 4.05 (3H, s), 4.62 (2H, d, J = 6.8), 5.52 (1H, t, J = 6.8), 5.72 (1H, s), 5.78 (1H, s), 6.89-6.98 (2H, m), 7.03 (1H, d, J = 1.8) 7.09 (1H, s), 7.45 (1H, d, J	45		
= 2.0, 8.3), 6.90 (1H, d, J = 2.0), 6.95 (1H, d, J = 8.3), 7.12 (1H, s), 7.17 (1H, s), 7.30 (2H, d, J = 6.1), 7.31-7.50 (5H, m), 8.65 (2H, d, J = 6.1) Ib-124	45		(2H, d, J = 5.5),
7.30 (2H, d, J = 6.1), 7.31-7.50 (5H, m), 8.65 (2H, d, J = 6.1) Ib-124 157-158 °C, ¹H-NMR (CDCl ₃) δ 1.76 (3H, s), 1.82 (3H, s), 3.66 (3H, s), 3.80 (3H, s), 4.05 (3H, s), 4.62 (2H, d, J = 6.8), 5.52 (1H, t, J = 6.8), 5.72 (1H, s), 5.78 (1H, s), 6.89-6.98 (2H, m), 7.03 (1H, d, J = 1.8) 7.09 (1H, s), 7.45 (1H, d, J		Ib-105	1113-114 °C, 2.28 (3H, s). 2.29 (3H, s), 3.91 (3H, s), 5.21 (2H, s), 6.83 (1H, dd, J
50 Ib-124 157-158 °C, ¹H-NMR (CDCl ₃) δ 1.76 (3H, s), 1.82 (3H, s), 3.66 (3H, s), 3.80 (3H, s), 4.05 (3H, s), 4.62 (2H, d, J = 6.8), 5.52 (1H, t, J = 6.8), 5.72 (1H, s), 5.78 (1H, s), 6.89-6.98 (2H, m), 7.03 (1H, d, J = 1.8) 7.09 (1H, s), 7.45 (1H, d, J			= 2.0, 8.3), 6.90 (1H, d. J = 2.0), 6.95 (1H, d. J = 8.3), 1.12 (1H, S), 1.11 (1H, S), 1.11 (1H, S), 1.12 (1H, S), 1.13 (1H, S), 1.14 (1H, S), 1.15 (1H, S
(3H, s), 4.05 (3H, s), 4.62 (2H, d, J = 6.8), 5.52 (1H, t, J = 6.8), 5.72 (1H, s), 5.78 (1H, s), 6.89-6.98 (2H, m), 7.03 (1H, d, J = 1.8) 7.09 (1H, s), 7.45 (1H, d, J			[7.30 (2H. d. J = 6.1), 7.31-7.50 (5H. m), 8.65 (2H. d. J = 6.1)]
(3H, s), 4.05 (3H, s), 4.62 (2H, d, J = 6.8), 5.52 (1H, t, J = 6.6), 5.72 (1H, s), 5.78 (1H, s), 6.89-6.98 (2H, m), 7.03 (1H, d, J = 1.8) 7.09 (1H, s), 7.45 (1H, d, J)	50	Ib-124	157-158 °C, 'H-NMR (CDCl3) & 1.76 (3H, s), 1.82 (3H, s), 3.66 (3H, s), 3.80
[5.78 (1H, s), 6.89-6.98 (2H, m), 7.03 (1H, d, $J = 1.8$) 7.09 (1H, s), 7.45 (1H, d, J]	-		(3H, s), 4.05 (3H, s), 4.62 (2H, d, J = 6.8), 5.52 (1H, t, J = 5.8), 5.72 (1H, s), 1.73 (1H, t), 2.73 (2H, s), 3.73 (2H, s), 3.73 (2H, s), 5.74 (2H, s), 5
			[5.78 (1H, s), 6.89-6.98 (2H, m), 7.03 (1H, d, J = 1.8) 7.09 (1H, s), 7.45 (1H, d, J)]
= 1.2) 8.89 (1H. d. J = 1.2)			

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aı	ore 100	
ſ	Ib-127	99-100 °C, 1H-NMR (CDCl ₃) & 2.32 (3H, s), 2.40 (3H, s), 3.03 (6H, s), 4.04 (3H,
- }		(s), 6.79 (2H, d, $J = 8.7$), 6.87 (1H, s), 7.16 (1H, s), 7.25 (2H, d, $J = 7.3$), 7.34
- }		(1H. s). 8.86 (1H. d, J = 1.2)
-	Ib-145	184-185 °C, ¹H-NMR (CDCl ₃) δ 2.60 (3H, s), 3.14 (3H, s), 3.71 (3H, s), 3.84
- {	10-140	(3H, s), 5.19 (2H, s), 7.16 (1H, d, $J = 7.9$), 7.33 (7H, m), 7.58 (1H, d, $J = 8.6$),
- {		
}		7.59 (1H, s), 8.24 (1H, d, $J = 9.2$)
-	Ib-146	154-155 °C, 'H-NMR (CDCl ₃) & 1.76 (3H, s), 1.82 (3H, s), 3.62 (3H, s), 3.80
- ((3H, s), 4.62 (2H, d, J = 6.8), 5.53 (1H, t, J = 6.8), 5.69 (1H, s), 5.76 (1H, s),
-		6.89-7.03 (3H, m), 7.12 (1H, s), 7.57 (1H, d, J = 8.5) 8.14 (1H, d, J = 9.2)
- {	Ib-147	195-196 °C, 1H-NMR (CDCl ₃) & 1.77 (3H, s), 1.81 (3H, s), 2.64 (3H, s), 3.26
- {		(3H, s), 3.71 $(3H, s)$, 3.84 $(3H, s)$, 4.64 $(2H, d, J = 6.8)$, 5.49 $(1H, t, J = 6.8)$.
- (7. 10 (1H, d, $J = 8.6$), 7.34 (1H, dd, $J = 8.5$, 1.8), 7.39 (1H, d, $J = 1.8$) 7.59 (1H,
L		s), 7.58 (1H, d, J = 9.2), 8.23 (1H, d, J = 9.2)
1	Ib-150	197-198 °C, 'H-NMR (CDCl ₃) δ 2.34 (3H, s), 2.39 (3H, s), 3.01 (6H. s). 6.81
		(2H, d, J = 9.1), 7.21 (1H, s), 7.26 (2H, d, J = 8.5), 7.34 (1H, s), 7.58 (2H, d, J =
- {		4.2)
Γ	Ib-154	185-186 °C, 1H-NMR (CDCl ₃) & 2.61 (3H, s), 3.14 (3H, s), 3.25 (6H, s), 3.67
- 1		(3H, s), 3.81 $(3H, s)$, 5.19 $(2H, s)$, 6.85 $(1H, d, J = 9.7)$, 7.14 $(1H, d, J = 8.8)$,
		7.33-7.48 (7H, m), 7.65 (1H, s), 8.02 (1H, d, $J = 9.7$)
Ī	ſb-162	188-189 °C, 1H-NMR (CDCl ₃) & 1.76 (3H, s), 1.82 (3H, s), 3.60 (3H, s), 3.79
- 1		(3H, s), 4.21 (3H. s), 4.62 (2H, d, J = 6.8), 5.52 (1H, t, J = 6.8), 5.69 (1H, s),
1		5.72 (1H. s), 6.91-7.07 (4H. m), 7.13 (1H. s), 8.06 (1H. d. J = 9.8)
Ì	Ib-165	152-153 °C, 1H-NMR (CDCl ₃) δ 2.33 (3H, s), 2.39 (3H, s), 3.01 (6H, s), 4.19
	10 100	(3H, s), 6.80 (2H, d, J = 9.1), 7.03 (1H, d, J = 9.1), 7.19 (1H, s), 7.26 (2H, d, J =
		7.8) 7.33 (1H. s), 7.53 (1H. d. $J = 9.1$)
ı	Ib-168	oil, ¹ H-NMR (CDCl ₃) δ 1.77 (3H, s), 1.82 (3H, s), 3.65 (3H, s), 3.81 (3H, s),
	10 100	4.63 (2H, d, J = 6.7), 5.53 (1H, br t, J = 6.7), 5.74 (1H, s), 5.77 (1H, s), 6.92
1		6.99 (3H, m), 7.04 (1H, d, $J = 1.8$), 8.53 (1H, d, $J = 1.8$), 8.69 (1H, s), 9.25 (1H,
- 1		s)
ŀ	Ib-169	165-166 °C, ¹H-NMR (CDCl ₃) δ 1.77 (3H, s), 1.81 (3H, s), 2.72 (3H, s), 3.24
- 1	10 100	(3H, s), 3.77 $(3H, s)$, 3.84 $(3H, s)$, 4.64 $(2H, d, J = 6.8)$, 5.49 $(1H, t, J = 6.8)$,
- 1		7.10 (1H, d, $J = 8.5$), 7.35 (1H, dd, $J = 8.5$, 2.4), 7.41 (1H, d, $J = 2.4$), 7.45 (1H,
1		s), 8.57 (1H, s), 8.69 (1H, s), 9.32 (1H. s)
ŀ	Ib-188	165-168 °C, 'H-NMR (CDCl ₃) & 2.29 (3H, s), 2.42 (3H, s), 3.00 (6H, s), 4.46
	10-100	(2H, br s), 5.31 (1H, s), 6.78 (2H, d. J = 8.5), 7.11 (1H, s), 7.23 (2H, d, J = 8.5),
- 1		7.38 (1H, s),
ŀ	Ib-198	103-104 °C, ¹ H-NMR (CDCl ₃) δ 2.28 (3H, s), 2.43 (3H, s), 2.99 (6H, s), 3.50
- 1	10-130	(2H. br s), 3.74 (3H. s), 5.76 (1H, s), 6.79 (2H, d, J = 8.5), 7.09 (1H, s), 7.24
		(2H, d, J = 8.5), 7.43 (1H, s)
ŀ	Ib-200	oil, ¹ H-NMR (CDCl ₃) δ 1.73 (3H, s), 1.76 (3H, s), 2.29 (3H, s), 2.46 (3H, s),
- 1	10.200	2.99 (6H, s), 3.16 (1H, brs), 3.68 (3H. s), 3.70 (2H, d, J = 5.5), 5.37 (1H. br t, J
		= 5.5), 5.67 (1H, s), 6.79 (2H, d, J = 9.2), 7.10 (1H, s), 7.24 (2H, d, J = 9.2),
- }		
ŀ	TI 000	[7.44 (1H, s)] 174-177 °C 1H-NMR (CDCl ₂) δ 2.31 (3H, s), 2.43 (3H, s), 3.01 (6H, s), 3.12
-{	Ib-202	174-177 C H-NVIK (CDCB) 0 2.31 (3H, 8), 2.43 (3H, 8), 9.01 (0H, 8), 9.12
1		(3H, s), 3.93 $(3H, s), 6.25$ $(1H, br s), 6.37$ $(1H, s), 6.79$ $(2H, d, J = 8.5), 7.10$
ļ		(1H, s), 7.25 (2H, d, J = 8.5), 7.42 (1H, s).
	Ib-203	234-235 °C, 'H-NMR (CDCl ₃) & 3.89 (3H, s), 3.95 (3H, s), 5.17 (2H, s), 5.56
		(1H, brs), 5.74 (1H, brs), 6.92 (1H, dd, J = 8.2, 2.0), 7.05-7.07 (2H, m), 7.39-
		7.53 (7H. m), $7.58 (1H. s)$, $7.95 (1H. d. J = 8.0)$, $8.11 (1H. d. J = 8.3)$,

的复数医抗性性

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15-204 197-198 °C, 1H-NMR (CDCL) & 2.88 (3H, s), 3.14 (3H, s), 3.93 (3H, s), 4.05 (3H, s), 5.20 (2H, s), 7.16 (1H, d, J = 7.3), 7.37-7.53 (9H, m), 7.96 (1H, d, J = 7.3), 8.06 (1H, s), 8.11 (1H, d, J = 8.0)	,		
T.3), 8.06 (I.H., s), 8.11 (I.H., d. J = 8.0)		Ib-204	197-198 °C, ¹ H-NMR (CDCL) & 2.68 (3H, s), 3.14 (3H, s), 3.93 (3H, s), 4.05
Ib-206 189-190 °C, 'H-NMR (CDCla) & 1.77 (3H, s), 1.83 (3H, s), 3.89 (3H, s), 3.95 (3H, s), 4.63 (2H, d, J = 6.8), 5.53 (1H, t, J = 6.8), 5.55 (1H, s), 5.76 (1H, s), 6.89-7.03 (3H, m), 7.41 (1H, td, J = 7.3, 1.2), 7.52 (1H, td, J = 7.3, 1.2), 7.58 (1H, s), 7.95 (1H, d, J = 7.3), 8.11 (1H, d, J = 7.3)	5		(3H, s), 5.20 (2H, s), 7.16 (1H, d, J = 7.3), 7.37-7.53 (9H, m), 7.96 (1H, d, J =
(3H, s), 4.63 (2H, d, J = 6.8), 5.53 (1H, t, J = 6.8), 5.55 (1H, s), 6.89-7.03 (3H, m), 7.41 (1H, td, J = 7.3, 1.2), 7.52 (1H, td, J = 7.3, 1.2), 7.58 (1H, s), 7.95 (1H, d, J = 7.3), 8.11 (1H, d, J = 7.3) (1H, td, J = 7.3), 8.10 (1H, d, J = 7.3), 8.10 (1H, d, J = 7.3), 8.10 (1H, d, J = 7.3), 8.93 (3H, s), 4.93 (3H, s), 4.95 (3H, d, J = 6.8), 4.89 (1H, t, J = 6.8), 7.10 (1H, d, J = 8.5), 7.36-7.53 (4H, m), 7.96 (1H, d, J = 7.3), 8.05 (1H, s), 8.11 (1H, d, J = 8.5), 7.36-7.53 (4H, m), 7.96 (1H, d, J = 7.3), 8.05 (1H, s), 8.11 (1H, d, J = 8.5), 7.36-7.53 (4H, m), 7.96 (1H, d, J = 7.3), 8.05 (1H, s), 8.11 (1H, d, J = 8.5), 7.36-7.53 (4H, m), 7.96 (1H, d, J = 7.3), 8.05 (1H, s), 8.11 (1H, d, J = 8.5), 7.36-7.53 (4H, m), 7.96 (1H, d, J = 7.3), 8.05 (1H, s), 8.11 (1H, d, J = 8.5), 7.36-7.53 (4H, m), 7.96 (1H, d, J = 7.3), 8.05 (1H, s), 8.11 (1H, d, J = 8.5), 7.36-7.53 (4H, m), 7.96 (1H, d, J = 7.3), 8.05 (1H, s), 8.11 (1H, d, J = 8.5), 7.36-7.53 (4H, m), 7.96 (1H, d, J = 7.3), 8.05 (1H, s), 8.11 (1H, d, J = 8.5), 7.36-7.53 (4H, m), 7.96 (1H, d, J = 7.3), 8.05 (1H, s), 8.11 (1H, d, J = 8.5), 7.36-7.53 (4H, m), 7.96 (1H, d, J = 7.3), 8.05 (1H, s), 8.11 (1H, d, J = 8.3), 1.26 (1H, d, J = 6.812, 2H), 8.15 (1H, d, J = 6.812, 2			(7.3), (8.06) (1H, s), (8.11) (1H, d, (3.10))
6.89-7.03 (3H, m), 7.41 (1H, dt, J = 7.3, 1.2), 7.52 (1H, td, J = 7.3, 1.2), 7.58 (1H, st, J, 7.95 (1H, dt, J = 7.3) 1b-206 166-167 °C, 'H-NMR (CDCls) 5 1.77 (3H, s), 1.81 (3H, s), 2.72 (3H, s), 3.25 (3H, s), 3.93 (3H, s), 4.05 (3H, s), 4.65 (2H, d, J = 6.8), 5.49 (1H, t, J = 6.8), 7.10 (1H, d, J = 8.5), 7.36-7.53 (4H, m), 7.96 (1H, d, J = 7.3), 8.05 (1H, s), 8.11 (1H d, J = 8.5) 1p-207 1p-207 (3.3H), 2.36 (s. 3H), 3.75 (d. J = 6.6Hz, 2H), 4.63 (d. J = 6.6Hz, 2H), 5.33-5.36 (m, 1H), 5.52-5.57 (m, 1H), 6.93-7.11 (m, 5H), 7.24-7.30 (m, 2H), 8.12 (d, J = 2.4Hz, 1H) IR (KBr): 3405, 2970, 2924, 1596, 1570, 1521 (1493, 1466, 1386, 1363, 1299, 1282, 1235, 1196, 1126, 1079, 964 cm ⁻¹ 1p-208 1p-207 (11 (m, 5H), 7.23-7.29 (m, 2H), 8.20 (d. J = 2.4Hz, 1H) IR (KBr): 3422, 3326, 3202, 2973, 2923, 1618, 1563, 1517, 1484, 1383, 1309, 1298, 1267, 1256, 1230, 1125, 1000 cm ⁻¹ 1p-209 1p-7.108 °C; 'H NMR (CDCls) & 1.77 (s, 3H), 1.81 (s, 3H), 2.31 (s, 3H), 2.40 (s, 3H), 4.64 (d. J = 6.6Hz, 2H), 5.52-5.58 (m, 1H), 7.07-7.11 (m, 3H), 1846, 1314, 1294, 1264, 1233, 1195, 1128, 990 cm ⁻¹ 1p-209 7.18 (s, 1H), 7.37 (s, 1H), 7.66 (d. J = 8.7Hz, 1H), 8.54 (dd. J = 2.4, 8.4Hz, 1H), 9.53 (d. J = 2.1Hz, 1H) IR (KBr): 3440, 2969, 1592, 1572, 1517, 1497, 1460, 1346, 1314, 1294, 1264, 1233, 1195, 1128, 990 cm ⁻¹ 1p-210 1p-120 1p-12		Ib-205	[189-190 °C, 1H-NMR (CDCls) & 1.77 (3H, s), 1.83 (3H, s), 3.89 (3H, s), 3.95
(1H. s), 7.95 (1H. d. J = 7.3), 8.11 (1H. d. J = 7.3)			(3H, s), 4.63 (2H, d, $J = 6.8$), 5.53 (1H, t, $J = 6.8$), 5.55 (1H, s), 5.76 (1H, s),
16-206 166-167 *C, :H-NMR (CDCLs) & 1.77 (3H, s), 1.81 (3H, s), 2.72 (3H, s), 3.93 (3H, s), 4.05 (3H, s), 4.65 (2H, d, J = 6.8), 5.49 (1H, t, J = 6.8), 7.10 (1H, d, J = 8.5), 7.36-7.53 (4H, m), 7.96 (1H, d, J = 7.3), 8.05 (1H, s), 8.11 (1H, d, J = 8.5) mp 75-78 *C: :H NMR (CDCls) & 1.75 (s, 3H), 1.76 (s, 3H), 1.77 (s, 3H), 1.81 (s, 3H), 2.27 (s, 3H), 2.36 (s, 3H), 3.75 (d, J = 6.6Hz, 2H), 4.63 (d, J = 6.6Hz, 2H), 5.33-5.36 (m, 1H), 5.52-5.57 (m, 1H), 6.93-7.11 (m, 5H), 7.24-7.30 (m, 2H), 8.12 (d, J = 2.4 Hz, 1H) in (KBD): 3405, 2970, 2921, 1596, 1570, 1521, 1493, 1466, 1386, 1363, 1299, 1282, 1235, 1196, 1126, 1079, 964 cm² mp 100-102 *C: "H NMR (CDCls) & 1.76 (s, 3H), 1.81 (s, 3H), 2.27 (s, 3H), 2.34 (s, 3H), 3.73 (br s, 3H), 4.63 (d, J = 6.6Hz, 2H), 5.53-5.56 (m, 1H), 7.00-7.11 (m, 5H), 7.23-7.29 (m, 2H), 8.20 (d, J = 2.4 Hz, 1H) in (KBD): 3422, 3326, 3202, 2973, 2923, 1618, 1563, 1517, 1484, 1383, 1309, 1298, 1267, 1256, 1230, 1125, 1000 cm² mp 107-108 *C; "H NMR (CDCls) & 1.77 (s, 3H), 1.81 (s, 3H), 2.31 (s, 3H), 2.40 (s, 3H), 4.64 (d, J = 6.6Hz, 2H), 5.52-5.56 (m, 1H), 7.02-7.11 (m, 3H), 1460, 1346, 1344, 1294, 1284, 1233, 1195, 1128, 990 cm² 1460, 1346, 1344, 1294, 1284, 1233, 1195, 1128, 990 cm² 1460, 1346, 1344, 1294, 1284, 1233, 1195, 1128, 990 cm² 1460, 1346, 1344, 1294, 1284, 1233, 1195, 1128, 990 cm² 1460, 1346, 1344, 1294, 1284, 1233, 1195, 1128, 990 cm² 1460, 1434, 1412, 1476,			[6.89-7.03 (3H, m), 7.41 (1H, td, J = 7.3, 1.2), 7.52 (1H, td, J = 7.3, 1.2), 7.58]
(3H, s), 3.93 (3H, s), 4.05 (2H, d, J = 6.8), 5.49 (1H, t, J = 6.8), 7.10 (1H, d, J = 8.5), 7.36 (7.53 (4H, m), 7.96 (1H, d, J = 7.3), 8.05 (1H, s), 8.11 (1H, d, J = 8.5) mp 75-78 °C; 'H NMR (CDCls) b 1.75 (s, 3H), 1.76 (s, 3H), 1.77 (s, 3H), 1.81 (s, 3H), 2.27 (s, 3H), 2.36 (s, 3H), 3.75 (d, J = 6.6Hz, 2H), 4.63 (d, J = 6.6Hz, 2H), 5.33-5.36 (m, 1H), 5.52-5.57 (m, 1H), 6.93-7.11 (m, 5H), 7.24-7.30 (m, 2H), 8.12 (d, J = 2.4Hz, 1H) IR (KBp); 3405, 2970, 2924, 1596, 1570, 1521, 1493, 1466, 1386, 1363, 1299, 1282, 1235, 1196, 1126, 1079, 964 cm ¹ mp 100-102 °C; 'H NMR (CDCls) b 1.76 (s, 3H), 1.81 (s, 3H), 2.27 (s, 3H), 2.34 (s, 3H), 3.73 (br s, 3H), 4.63 (d, J = 6.6Hz, 2H), 5.53-5.56 (m, 1H), 7.00-7.11 (m, 5H), 7.23-7.29 (m, 2H), 8.20 (d, J = 2.4Hz, 1H) IR (KBp); 3422, 3326, 3202, 2973, 2923, 1618, 1563, 1517, 1484, 1383, 1309, 1298, 1267, 1256, 1230, 1125, 1000 cm ¹ mp 107-108 °C; 'H NMR (CDCls) b 1.77 (s, 3H), 1.81 (s, 3H), 2.31 (s, 3H), 2.40 (s, 3H), 4.64 (d, J = 6.6Hz, 2H), 5.52-5.58 (m, 1H), 7.02-7.11 (m, 3E), 240 (s, 3H), 4.64 (d, J = 6.6Hz, 2H), 5.52-5.58 (m, 1H), 7.02-7.11 (m, 3E), 1460, 1346, 1314, 1294, 1264, 1233, 1195, 1128, 990 cm ¹ Oil; 'H NMR (CDCls) b 1.77 (s, 3H), 1.82 (s, 3H), 2.29 (s, 3H), 2.36 (s, 3H), 4.56 (d, J = 6.6Hz, 2H), 5.54 (t, J = 6.6Hz, 1H), 6.97 (d, J = 8.1Hz, 2H), 7.75 (dd, J = 7.5Hz, 1H), 7.75 (dd, J = 7.5Hz, 1H), 7.75 (dd, J = 8.1Hz, 2H), 7.32 (s, 1H), 7.45 (d, J = 7.5Hz, 1H), 7.75 (dd, J = 7.5Hz, 1H), 7.75 (m, 1H), 7.35 (s, 1H), 7.45 (m, 1H), 7.75 (m, 1H), 7.80 (d, J = 6.6Hz, 2H), 5.55 (t, J = 6.6Hz, 1H), 6.98-7.15 (m, 1H), 7.25 (m, 1H), 7.35 (m, 1H), 7.75 (m, 1H), 7.75 (m, 1H), 7.75 (m, 1H), 7.85 (m, 1H), 7.75 (m, 1H), 7.85 (m, 1H), 7.75 (m, 1H), 7.97 (n, 3H), 1.81 (s, 3H), 2.26 (s, 3H), 4.63 (d, J=6.6Hz, 2H), 5.53-5.56	10		(1H. s), 7.95 (1H. d. J = 7.3), 8.11 (1H, d. J = 7.3)
7.10 (1H, d, J = 8.5), 7.36-7.53 (4H, m), 7.96 (1H, d, J = 7.3), 8.05 (1H, s), 8.11 (1H d, J = 8.5) mp 75-78 °C; 'H NMR (CDCls) & 1.75 (s, 3H), 1.76 (s, 3H), 1.77 (s, 3H), 1.81 (s, 3H), 2.27 (s, 3H), 2.36 (s, 3H), 3.75 (d, J = 6.6Hz, 2H), 4.63 (d, J = 6.6Hz, 2H), 5.33-5.36 (m, 1H), 5.52-5.57 (m, 1H), 6.93-7.11 (m, 5H), 7.24-7.30 (m, 2H), 8.12 (d, J = 2.4Hz, 1H) IR (KBr); 3405, 2970, 2924, 1596, 1570, 1521, 1493, 1466, 1386, 1363, 1299, 1282, 1235, 1196, 1126, 1079, 964 cm² (mp 100-102 °C; 'H NMR (CDCls) & 1.76 (s, 3H), 18.18 (s, 3H), 2.27 (s, 3H), 2.34 (s, 3H), 3.73 (br. s. 3H), 4.63 (d, J = 6.6Hz, 2H), 5.53-5.58 (m, 1H), 3422, 3326, 3202, 2973, 2923, 1618, 1563, 1517, 1484, 1383, 1309, 1298, 1267, 1256, 1230, 1125, 1000 cm² (mp 107-108 °C; 'H NMR (CDCls) & 1.77 (s, 3H), 1.81 (s, 3H), 2.31 (s, 3H), 2.40 (s, 3H), 4.64 (d, J = 6.6Hz, 2H), 5.52-5.58 (m, 1H), 7.02-7.11 (m, 3H), 18.9, 53 (d, J = 2.1Hz, 1H), IR (KBr); 346, 314, 314, 1294, 1264, 1233, 1195, 1128, 990 cm² (oi); 'H NMR (CDCls) & 1.77 (s, 3H), 1.82 (s, 3H), 2.9 (s, 3H), 2.46 (s, 3H), 2.14 (s, 1H), 7.75 (m, 1H), 7.28 (d, J = 8.1Hz, 2H), 7.32 (s, 1H), 7.45 (d, J = 7.5Hz, 1H), 1146, 1346, 1314, 1294, 1264, 1233, 1195, 1128, 990 cm² (oi); 'H NMR (CDCls) & 1.77 (s, 3H), 1.81 (s, 3H), 2.36 (s, 3H), 4.64 (d, J = 6.6Hz, 2H), 5.54 (t, J = 6.6Hz, 1H), 6.97 (d, J = 8.1Hz, 2H), 7.45 (d, J = 7.5Hz, 1H), 17.75 (m, 1H), 7.28 (d, J = 8.1Hz, 2H), 7.75 (m, 1H), 7.25 (m, 1H), 7.75 (m, 1H), 5.55 (t, J = 6.6Hz, 1H), 6.98-7.15 (m, 1H), 7.25 (m, 1H), 7.45 (m, 1H), 7.75 (m, 1H), 8.71 (m, 1H); IR (KBr) 1584, 1566, 1520, 1498, 1469, 1460, 1433, 1422, 1385, 1302, 1278, 1267, 1234, 1129, 998 cm² (mp 120-122°C; 'H NMR (CDCls) & 1.77 (s, 3H), 1.81 (s, 3H), 2.36 (s, 3H), 3.31 (m, 1H), 4.63 (d, J = 6.6Hz, 2H), 5.55 (t, J = 6.6Hz, 1H), 6.90-7.13 (m, 5H), 7.21-7.32 (m, 2H), 8.10 (m, 1H), 118 (kBr) 1392, 1591, 1516, 1482, 1298, 1274, 1262, 1231, 1136, 1124, 994, 835 cm² (H NMR (CDCls) & 1.77 (s, 3H), 1.81 (s, 3H), 2.27 (s, 3H), 4.63 (d, J = 6.6Hz, 2H), 5.35-5.55 (m, 1H), 6.90-7.13 (m, 5H		Ib-206	166-167 °C, :H-NMR (CDCL) & 1.77 (3H, s), 1.81 (3H, s), 2.72 (3H, s), 3.25
(I.H. d. J = 8.5) mp 75-78 °C; H NMR (CDCls) 6 1.75 (s, 3H), 1.76 (s, 3H), 1.77 (s, 3H), 1.81 (s, 3H), 2.27 (s, 3H), 2.36 (s, 3H), 3.75 (d, J = 6.6Hz, 2H), 4.63 (d, J = 6.6Hz, 2H), 8.12 (d, J = 2.4Hz, 1H) IR (KBr): 3405, 2970, 2924, 1596, 1570, 1521, 1493, 1466, 1386, 1363, 1299, 1282, 1235, 1196, 1126, 1079, 964 cm ⁻¹ mp 100-102 °C: "H NWR (CDCls) 6 1.76 (s, 3H), 1.81 (s, 3H), 2.27 (s, 3H), 2.34 (s, 3H), 3.73 (br. s, 3H), 4.63 (d, J = 6.6Hz, 2H), 5.53-5.58 (m, 1H), 7.00-7.11 (m, 5H), 7.23-7.29 (m, 2H), 8.20 (d, J = 2.4Hz, 1H) IR (KBr): 3422, 3326, 3202, 2973, 2923, 1618, 1563, 1517, 1484, 1383, 1309, 1298, 1267, 1256, 1230, 1125, 1000 cm ⁻¹ mp 107-108 °C; 'H NMR (CDCls) 6 1.77 (s, 3H), 1.81 (s, 3H), 2.31 (s, 3H), 2.40 (s, 3H), 4.64 (d, J = 6.6Hz, 2H), 5.52-5.58 (m, 1H), 7.07-7.11 (m, 3H), 7.18 (s, 1H), 7.37 (s, 1H), 7.66 (d, J = 8.7Hz, 1H), 8.54 (dd, J = 2.4, 8.4Hz, 1H), 9.53 (d, J = 2.1Hz, 1H) IR (KBr): 3440, 2969, 1592, 1572, 1517, 1497, 1460, 1346, 1314, 1294, 1264, 1233, 1195, 1128, 990 cm ⁻¹ 1b-210 (3) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	i		(3H, s), 3.93 (3H, s), 4.05 (3H, s), 4.65 (2H, d, $J = 6.8$), 5.49 (1H. t, $J = 6.8$).
mp 75-78 °C; 'H NMR (CDCls) 8 1.75 (s, 3H), 1.76 (s, 3H), 1.77 (s, 3H), 1.81 (s, 3H), 2.27 (s, 3H), 2.36 (s, 3H), 3.75 (d, J = 6.6Hz, 2H), 4.63 (d, J = 6.6Hz, 2H), 8.12 (d, J = 2.4Hz, 1H) IR (KBr); 3405, 2970, 2924, 1596, 1570, 1521, 1493, 1466, 1386, 1363, 1299, 1282, 1235, 1196, 1126, 1079, 964 cm ⁻¹ mp 100-102 °C; 'H NMR (CDCls) 6 1.76 (s, 3H), 181 (s, 3H), 2.27 (s, 3H), 2.34 (s, 3H), 3.73 (br s, 3H), 4.63 (d, J = 6.6Hz, 2H), 5.53-5.58 (m, 1H), 7.00-7.11 (m, 5H), 7.23-7.29 (m, 2H), 8.20 (d, J = 2.4Hz, 1H) IR (KBr); 3422, 3326, 3202, 2973, 2923, 1618, 1563, 1517, 1484, 1383, 1309, 1298, 1267, 1256, 1230, 1125, 1000 cm ⁻¹ mp 107-108 °C; 'H NMR (CDCls) 6 1.77 (s, 3H), 1.81 (s, 3H), 2.31 (s, 3H), 2.40 (s, 3H), 4.64 (d, J = 6.6Hz, 2H), 5.52-5.58 (m, 1H), 7.02-7.11 (m, 3H), 18-209 ft, 180, 1346, 1314, 1294, 1264, 1233, 1195, 1128, 990 cm ⁻¹ (400, 1346, 1314, 1294, 1264, 1233, 1195, 1128, 990 cm ⁻¹ (140, 1346, 1314, 1294, 1264, 1233, 1195, 1128, 990 cm ⁻¹ (15), 114, 7.25 (m, 1H), 7.55 (d, J = 7.5Hz, 1H), 8.74 (d, J = 5.1Hz, 2H), 7.15 (s, 1H), 7.26 (m, 1H), 7.25 (m, 1H), 7.25 (m, 1H), 7.32 (s, 1H), 7.45 (d, J = 7.5Hz, 1H), 7.75 (dd, J = 7.5, 1.8Hz, 1H), 8.11 (s, 3H), 2.29 (s, 3H), 2.36 (s, 3H), 4.64 (d, J = 6.6Hz, 2H), 5.55 (t, J = 6.6Hz, 1H), 6.98-7.15 (m, 1H), 7.25 (m, 1H), 7.32 (s, 1H), 7.45 (m, 1H), 7.75 (m, 1H), 8.10 (m, 1H), 4.63 (d, J = 6.6Hz, 2H), 5.55 (t, J = 6.6Hz, 1H), 6.98-7.15 (m, 1H), 4.63 (d, J = 6.6Hz, 2H), 5.55 (t, J = 6.6Hz, 1H), 6.90-7.13 (m, 5H), 7.21-7.32 (m, 2H), 8.10 (m, 1H), 117 (s, 3H), 1.81 (s, 3H), 2.16 (s, 3H), 2.16 (s, 3H), 4.63 (d, J = 6.6Hz, 2H), 5.53-5.58 (m, 1H), 6.98-7.13 (m, 4H), 7.22-7.30 (m, 3H), 8.31 (t, J=3.0 Hz, 1H), ; IR (neat); 2960, 2918, 1579, 1496, 1294, 1117, 991, 753 cm ⁻¹ HNMR (CDCls) 8 1.69 (s, 3H), 1.74 (s, 3H), 1.81 (s, 3H), 2.16 (s, 3H), 2.16 (s, 3H), 3.30 (dd, J=6.6Hz, 2H), 5.53-5.58 (m, 1H), 6.98-7.13 (m, 4H), 7.22-7.30 (m, 3H), 8.31 (t, J=3.0 Hz, 1H), ; IR (neat); 2960, 2918, 1579, 1496, 1294, 1117, 991, 753 cm ⁻¹ HNMR (CDCls) 8 1.69 (s, 3H), 1.74 (s, 3			7.10 (1H, d, J = 8.5), 7.36-7.53 (4H, m), 7.96 (1H, d, J = 7.3), 8.05 (1H, s), 8.11
(s, 3H), 2.27 (s, 3H), 2.36 (s, 3H), 3.75 (d, J = 6.6Hz, 2H), 4.63 (d, J = 6.6Hz, 2H), 5.33-5.36 (m, 1H), 5.52-5.7 (m, 1H), 6.93-7.11 (m, 5H), 7.24-7.30 (m, 2H), 8.12 (d, J = 2.4Hz, 1H) IR (KBr); 3405, 2970, 2924, 1596, 1570, 1521, 1493, 1466, 1386, 1363, 1299, 1282, 1235, 1196, 1126, 1079, 964 cm ⁻¹ mp 100-102 °C; 'H NMR (CDCl ₃) & 1.76 (s, 3H), 1.81 (s, 3H), 2.27 (s, 3H), 2.34 (s, 3H), 3.73 (br s, 3H), 4.63 (d, J = 6.6Hz, 2H), 5.35-5.58 (m, 1H), 700-7.11 (m, 5H), 7.23-7.29 (m, 2H), 8.20 (d, J = 2.4Hz, 1H) IR (KBr); 3422, 3326, 3202, 2973, 2923, 1618, 1563, 1517, 1484, 1383, 1309, 1298, 1267, 1256, 1230, 1125, 1000 cm ⁻¹ mp 107-108 °C; 'H NMR (CDCl ₃) & 1.77 (s, 3H), 1.81 (s, 3H), 2.31 (s, 3H), 2.40 (s, 3H), 4.64 (d, J = 6.6Hz, 2H), 5.52-5.58 (m, 1H), 7.02-7.11 (m, 3H), 18 (s, 1H), 7.37 (s, 1H), 7.66 (d, J = 8.7Hz, 1H), 8.54 (dd, J = 2.4, 8.4Hz, 1H), 9.53 (d, J = 2 1Hz, 1H) IR (KBr); 3440, 2969, 1592, 1572, 1517, 1497, 1460, 1346, 1314, 1294, 1264, 1233, 1195, 1128, 990 cm ⁻¹ Oil; 'H NMR (CDCl ₃) & 1.77 (s, 3H), 1.82 (s, 3H), 2.29 (s, 3H), 2.36 (s, 3H), 4.56 (d, J = 6.6Hz, 2H), 5.54 (t, J = 6.6Hz, 1H), 6.97 (d, J = 8.1Hz, 2H), 7.15 (s, 1H), 7.25 (m, 1H), 7.28 (d, J = 8.1Hz, 2H), 7.15 (d, J = 7.5Hz, 1H), 7.75 (td, J = 7.5, 1.8Hz, 1H), 8.71 (d, J = 5.1Hz, 1H), mp 91-92°C; 'H NMR (CDCl ₃) & 1.77 (s, 3H), 1.81 (s, 3H), 2.29 (s, 3H), 2.36 (s, 3H), 4.64 (d, J = 6.6Hz, 2H), 5.55 (t, J = 6.6Hz, 1H), 6.98-7.15 (m, 1H), 7.25 (m, 1H), 7.32 (s, 1H), 7.45 (m) 1H), 8.71 (d, J = 5.115 (m, 1H), 1.73 (m, 1H), 1.81 (s, 3H), 2.09 (s, 3H), 2.26 (s, 3H), 3.31 (m, 14), 4.63 (d, J = 6.6Hz, 2H), 5.55 (t, J = 6.6Hz, 1H), 6.98-7.15 (m, 1H), 1.77 (s, 3H), 1.81 (s, 3H), 2.03-2.16 (m, 2H), 5.55 (t, J = 6.6Hz, 1H), 6.98-7.15 (m, 1H), 1.77 (s, 3H), 1.81 (s, 3H), 2.03-2.16 (m, 2H), 5.55 (t, J = 6.6Hz, 1H), 6.98-7.13 (m, 3H), 1.77 (s, 3H), 1.81 (s, 3H), 2.03 (s, 3H), 3.31 (m, 14), 4.63 (d, J = 6.6Hz, 2H), 5.55 (t, J = 6.6Hz, 1H), 6.98-7.13 (m, 4H), 7.217, 32 (m, 2H), 8.10 (m, 1H); IR (KBr) 3392, 1591, 1516, 1482, 1298, 1274, 1262, 123			(iH. d. J = 8.5)
1b-207 2H), 5.33-5.36 (m, 1H), 5.52-5.57 (m, 1H), 6.93-7.11 (m, 5H), 7.24-7.30 (m, 2H), 8.12 (d, J = 2.4Hz. 1H) IR (KBr): 3405. 2970, 2924, 1596, 1570, 1521, 1493, 1466, 1386, 1363, 1299, 1282. 1235, 1196, 1126, 1079, 964 cm ⁻¹ mp 100-102 °C; 'H NMR (CDCls) & 1.76 (s, 3H), 1.81 (s, 3H), 2.27 (s, 3H), 7.00-7.11 (m, 5H), 7.23-7.29 (m, 2H), 8.20 (d, J = 2.4Hz. 1H) IR (KBr): 3422. 3326, 3202, 2973, 2923, 1618, 1563, 1517. 1484, 1383, 1309, 1298, 1267, 1256, 1230, 1125, 1000 cm ⁻¹	15		mp 75-78 °C; 'H NMR (CDCl ₃) δ 1.75 (s, 3H), 1.76 (s, 3H), 1.77 (s, 3H), 1.81
2H), 8.12 (d, J = 2.4Hz. 1H) IR (KBr): 3405, 2970, 2924, 1596, 1570, 1521, 1493, 1466, 1386, 1363, 1299, 1282, 1235, 1196, 1126, 1079, 964 cm ⁻¹ mp 100-102 °C; 'H NWR (CDCls) & 1.76 (s, 3H), 1.81 (s, 3H), 2.27 (s, 3H), 2.34 (s, 3H), 3.73 (br s, 3H), 4.63 (d, J = 6.6Hz, 2H), 5.53-5.58 (m, 1H), 700-7.11 (m, 5H), 7.23-7.29 (m, 2H), 8.20 (d, J = 2.4Hz, 1H) IR (KBr): 3422, 3326, 3202, 2973, 2923, 1618, 1563, 1517, 1484, 1383, 1309, 1298, 1267, 1256, 1230, 1125, 1000 cm ⁻¹ mp 107-108 °C; 'H NWR (CDCls) & 1.77 (s, 3H), 1.81 (s, 3H), 2.31 (s, 3H), 18-29 (s, 3H), 4.64 (d, J = 6.6Hz, 2H), 5.52-5.58 (m, 1H), 7.02-7.11 (m, 3H), 7.18 (s, 1H), 7.37 (s, 1H), 7.66 (d, J = 8.7Hz, 1H), 8.54 (dd, J = 2.4, 8.4Hz, 1H), 9.53 (d, J = 2.1Hz, 1H) IR (KBr): 3440, 2969, 1592, 1572, 1517, 1497, 1460, 1346, 1314, 1294, 1264, 1233, 1195, 1128, 990 cm ⁻¹ 1b-210 (s, 1H), 7.25 (m, 1H), 7.28 (d, J = 8.1Hz, 2H), 7.32 (s, 3H), 2.36 (s, 3H), 4.56 (d, J = 6.6Hz, 2H), 5.54 (t, J = 6.6Hz, 1H), 6.97 (d, J = 8.1Hz, 2H), 7.15 (s, 1H), 7.25 (m, 1H), 7.25 (d, J = 7.5.1.8Hz, 1H), 8.71 (d, J = 5.1Hz, 1H). mp 91-92°C; 'H NMR (CDCls) & 1.77 (s, 3H), 1.81 (s, 3H), 2.29 (s, 3H), 2.36 (s, 3H), 4.64 (d, J = 6.6Hz, 2H), 5.55 (t, J = 6.6Hz, 1H), 6.98-7.15 (m, 1H), 7.25 (m, 1H), 7.32 (s, 1H), 7.45 (m, 1H), 7.75 (m, 1H),			(s, 3H), 2.27 $(s, 3H)$, 2.36 $(s, 3H)$, 3.75 $(d, J = 6.6Hz, 2H)$, 4.63 $(d, J = 6.6Hz)$
1493, 1466, 1386, 1363, 1299, 1282, 1235, 1196, 1126, 1079, 964 cm ⁻¹ mp 100-102 °C; ¹ H NMR (CDCls) & 1.76 (s, 3H), 1.81 (s, 3H), 2.27 (s, 3H), 2.34 (s, 3H), 3.73 (br s, 3H), 4.63 (d, J = 6.6Hz, 2H), 5.53-5.58 (m, 1H), 7.00-7.11 (m, 5H), 7.23-7.29 (m, 2H), 8.20 (d, J = 2.4Hz, 1H) IR (KBr): 3422, 3326, 3202, 2973, 2923, 1618, 1563, 1517, 1484, 1383, 1309, 1298, 1267, 1256, 1230, 1125, 1000 cm ⁻¹ mp 107-108 °C; ¹ H NMR (CDCls) & 1.77 (s, 3H), 1.81 (s, 3H), 2.31 (s, 3H), 2.40 (s, 3H), 4.64 (d, J = 6.6Hz, 2H), 5.52-5.58 (m, 1H), 7.02-7.11 (m, 3H), 18-209		Ib-207	2H), 5.33-5.36 (m, 1H), 5.52-5.57 (m, 1H), 6.93-7.11 (m, 5H), 7.24-7.30 (m,
mp 100-102 °C; H NMR (CDCls) δ 1.76 (s, 3H), 1.81 (s, 3H), 2.27 (s, 3H), 2.34 (s, 3H), 3.73 (br s, 3H), 4.63 (d, J = 6.6Hz, 2H), 5.53-5.58 (m, 1H), 7.00-7.11 (m, 5H), 7.23-7.29 (m, 2H), 8.20 (d, J = 2.4Hz, 1H) IR (KBr): 3422, 3326, 3202, 2973, 2923, 1618, 1563, 1517, 1484, 1383, 1309, 1298, 1267, 1256, 1230, 1125, 1000 cm ⁻¹ mp 107-108 °C; H NMR (CDCls) δ 1.77 (s, 3H), 1.81 (s, 3H), 2.31 (s, 3H), 2.40 (s, 3H), 4.64 (d, J = 6.6Hz, 2H), 5.52-5.58 (m, 1H), 7.02-7.11 (m, 3H), 7.18 (s, 1H), 7.37 (s, 1H), 17.66 (d, J = 8.7Hz, 1H), 8.54 (dd, J = 2.4, 8.4Hz, 1H), 9.53 (d, J = 2.1Hz, 1H) IR (KBr): 3440, 2969, 1592, 1572, 1517, 1497, 1460, 1346, 1314, 1294, 1264, 1233, 1195, 1128, 990 cm ⁻¹ Oil; H NMR (CDCls) δ 1.77 (s, 3H), 1.82 (s, 3H), 2.29 (s, 3H), 2.36 (s, 3H), 4.56 (d, J = 6.6Hz, 2H), 5.54 (t, J = 6.6Hz, 1H), 6.97 (d, J = 8.1Hz, 2H), 7.15 (s, 1H), 7.25 (m, 1H), 7.25 (d, J = 8.1Hz, 2H), 7.32 (s, 1Hb), 7.45 (d, J = 7.5Hz, 1H), 7.75 (td, J = 7.5, 1.8Hz, 1H), 8.71 (d, J = 5.1Hz, 1H) mp 91-92°C; H NMR (CDCls) δ 1.77 (s, 3H), 1.81 (s, 3H), 2.29 (s, 3H), 2.36 (s, 3H), 4.64 (d, J = 6.6Hz, 2H), 5.55 (t, J = 6.6Hz, 1H), 6.98-7.15 (m, 4H), 7.25 (m, 1H), 7.32 (s, 1H), 7.45 (m 1H), 7.75 (m, 1H), 8.71 (m, 1H); IR (KBr) 1584, 1566, 1520, 1498, 1469, 1460, 1433, 1422, 1385, 1302, 1278, 1267, 1234, 1129, 998 cm ⁻¹ mp 120-122°C; H NMR (CDCls) δ 1.13-1.25 (m, 4H), 1.62-1.90 (m, 4H), 1.77 (s, 3H), 1.81 (s, 3H), 2.03-2.16 (m, 2H), 2.27 (s, 3H), 2.36 (s, 3H), 3.31 (m, 1H), 4.63 (d, J = 6.6Hz, 2H), 5.55 (t, J = 6.6Hz, 1H), 6.90-7.13 (m, 5H), 7.21-7.32 (m, 2H), 8.10 (m, 1H); IR (KBr) 3392, 1591, 1516, 1482, 1298, 1274, 1262, 1231, 1136, 1124, 994, 835 cm ⁻¹ H NMR (CDCls) δ 1.77 (s, 3H), 1.82 (s, 3H), 2.16 (s, 6H), 2.27 (s, 3H), 4.96 (d, J=6.6Hz, 2H), 5.53-5.58 (m, 1H), 6.98-7.13 (m, 4H), 1.92-13 (m, 3H), 8.31 (t, J=3.0 Hz, 1H), ; IR (neat): 2960, 2918, 1579, 1496, 1294, 1117, 991, 753 cm ⁻¹ H NMR (CDCls) δ 1.69 (s, 3H), 1.74 (s, 3H), 1.77 (s, 3H), 1.81 (s, 3H), 2.17 (s, 3H), 2.56 (s, 3H), 4.56 (d, J=6.6Hz, 2H), 4.63 (d, J=6.94z, 2			2H), 8.12 (d, J = 2.4Hz, 1H) IR (KBr): 3405, 2970, 2924, 1596, 1570, 1521,
2.34 (s, 3H), 3.73 (br s, 3H), 4.63 (d, J = 6.6Hz, 2H), 5.53-5.58 (m, 1H), 7.00-7.11 (m, 5H), 7.23-7.29 (m, 2H), 8.20 (d, J = 2.4Hz, 1H) IR (KBr): 3422, 3326, 3202, 2973, 2923, 1618, 1563, 1517. 1484, 1383, 1309, 1298, 1267, 1256, 1230, 1125, 1000 cm ⁻¹ mp 107-108 °C; ¹H NMR (CDCls) δ 1.77 (s, 3H), 1.81 (s, 3H), 2.31 (s, 3H), 2.40 (s, 3H), 4.64 (d, J = 6.6Hz, 2H), 5.52-5.58 (m, 1H), 7.02-7.11 (m, 3H), 18. (s, 1H), 7.37 (s, 1H), 7.66 (d, J = 8.7Hz, 1H), 8.54 (dd, J = 2.4, 8.4Hz, 1H), 9.53 (d, J = 2.1Hz, 1H) IR (KBr): 3440, 2969, 1592, 1572, 1517, 1497, 1460, 1346, 1314, 1294, 1264, 1233, 1195, 1128, 990 cm ⁻¹ Oil; ¹H NMR (CDCls) δ 1.77 (s, 3H), 1.82 (s, 3H), 2.29 (s, 3H), 2.36 (s, 3H), 4.66 (d, J = 6.6Hz, 2H), 5.54 (t, J = 6.6Hz, 1H), 6.97 (d, J = 8.1Hz, 2H), 7.15 (s, 1H), 7.25 (m, 1H), 7.28 (d, J = 8.1Hz, 2H), 7.32 (s, 1H), 7.45 (d, J = 7.5Hz, 1H), 7.75 (td, J = 7.5, 1.8Hz, 1H), 8.71 (d, J = 5.1Hz, 1H). mp 91-92°C; ¹H NMR (CDCls) δ 1.77 (s, 3H), 1.81 (s, 3H), 2.29 (s, 3H), 2.36 (s, 3H), 4.64 (d, J = 6.6Hz, 2H), 5.55 (t, J = 6.6Hz, 1H), 6.98-7.15 (m, 4H), 7.25 (m, 1H), 7.32 (s, 1H), 7.45 (m 1H), 7.75 (m, 1H), 8.71 (m, 1H); IR (KBr) 1584, 1566, 1520, 1498, 1469, 1460, 1433, 1422, 1385, 1302, 1278, 1267, 1234, 1129, 998 cm ⁻¹ mp 120-122°C; ¹H NMR (CDCls) δ 1.13-1.25 (m, 4H), 1.62-1.90 (m, 4H), 1.77 (s, 3H), 1.81 (s, 3H), 2.03-2.16 (m, 2H), 2.27 (s, 3H), 2.36 (s, 3H), 3.31 (m, 1H), 4.63 (d, J = 6.6Hz, 2H), 5.55 (t, J = 6.6Hz, 1H), 6.90-7.13 (m, 5H), 7.21-7.32 (m, 2H), 8.10 (m, 1H); IR (KBr) 3392, 1591, 1516, 1482, 1298, 1274, 1262, 1231, 1136, 1124, 994, 835 cm ⁻¹ "H NMR (CDCls) δ 1.77 (s, 3H), 1.82 (s, 3H), 2.16 (s, 6H), 2.27 (s, 3H), 4.63 (d, J=6.6Hz, 2H), 5.53-5.58 (m, 1H), 6.98-7.13 (m, 4H), 7.22-7.30 (m, 3H), 8.31 (t, J=3.0 Hz, 1H), ; IR (neat): 2960, 2918, 1579, 1496, 1294, 1117, 991, 753 cm ⁻¹ "H NMR (CDCls) δ 1.69 (s, 3H), 1.74 (s, 3H), 1.77 (s, 3H), 1.81 (s, 3H), 2.17 (s, 3H), 2.26 (s, 3H), 4.56 (d, J=6.6Hz, 2H), 4.63 (d, J=6.9Hz, 2H), 5.34-5.39 (m, 1H), 5.33-5.58 (m, 1H), 7.97-7, 13 (m, 4H), 7.	•		1493, 1466, 1386, 1363, 1299, 1282, 1235, 1196, 1126, 1079, 964 cm ⁻¹
Ib-208	20		mp 100-102 °C; ¹ H NMR (CDCl ₃) δ 1.76 (s, 3H), 1.81 (s. 3H), 2.27 (s, 3H),
3422. 3326, 3202, 2973, 2923, 1618, 1563, 1517. 1484, 1383, 1309, 1298, 1267, 1256, 1230, 1125, 1000 cm ⁻¹ mp 107-108 °C; 'H NMR (CDCl ₃) δ 1.77 (s, 3H), 1.81 (s, 3H), 2.31 (s, 3H), 2.40 (s, 3H), 4.64 (d, J = 6.6Hz, 2H), 5.52-5.58 (m, 1H), 7.02-7.11 (m, 3H), 7.18 (s, 1H), 7.37 (s, 1H), 7.66 (d, J = 8.7Hz, 1H), 8.54 (dd, J = 2.4, 8.4Hz, 1H), 9.53 (d, J = 2.1Hz, 1H) IR (KBr): 3440, 2996, 1592, 1572, 1517, 1497, 1460, 1346, 1314, 1294, 1264, 1233, 1195, 1128, 990 cm ⁻¹ Oil; 'H NMR (CDCl ₃) δ 1.77 (s, 3H), 1.82 (s, 3H), 2.29 (s, 3H), 2.36 (s, 3H), 4.56 (d, J = 6.6Hz, 2H), 5.54 (t, J = 6.6Hz, 1H), 6.97 (d, J = 8.1Hz, 2H), 7.15 (s, 1H), 7.25 (m, 1H), 7.28 (d, J = 8.1Hz, 2H), 7.32 (s, 1H), 7.45 (d, J = 7.5Hz, 1H), 7.75 (td, J = 7.5, 1.8Hz, 1H), 8.71 (d, J = 5.1Hz, 1H). mp 91-92°C; 'H NMR (CDCl ₃) δ 1.77 (s, 3H), 1.81 (s, 3H), 2.29 (s, 3H), 2.36 (s, 3H), 4.64 (d, J = 6.6Hz, 2H), 5.55 (t, J = 6.6Hz, 1H), 6.98-7.15 (m, 4H), 7.25 (m, 1H), 7.32 (s, 1H), 7.45 (m, 1H), 7.75 (m, 1H), 17.75			2.34 (s, 3H), 3.73 (br s. 3H), 4.63 (d, $J = 6.6$ Hz, 2H), 5.53-5.58 (m, 1H),
1267, 1256, 1230, 1125, 1000 cm ⁻¹ mp 107-108 °C; 'H NMR (CDCls) δ 1.77 (s, 3H), 1.81 (s, 3H), 2.31 (s, 3H), 2.40 (s, 3H), 4.64 (d, J = 6.6Hz, 2H), 5.52-5.58 (m, 1H), 7.02-7.11 (m, 3H), 18-209 7.18 (s, 1H), 7.37 (s, 1H), 7.66 (d, J = 8.7Hz, 1H), 8.54 (dd, J = 2.4, 8.4Hz, 1H), 9.53 (d, J = 2.1Hz, 1H) IR (KBr): 3440, 2969, 1592, 1572, 1517, 1497, 1460, 1346, 1314, 1294, 1264, 1233, 1195, 1128, 990 cm ⁻¹ Oil; 'H NMR (CDCls) δ 1.77 (s, 3H), 1.82 (s, 3H), 2.29 (s, 3H), 2.36 (s, 3H), 4.56 (d, J = 6.6Hz, 2H), 5.54 (t, J = 6.6Hz, 1H), 6.97 (d, J = 8.1Hz, 2H), 7.15 (s, 1H), 7.25 (m, 1H), 7.28 (d, J = 8.1Hz, 2H), 7.32 (s, 1H), 7.45 (d, J = 7.5Hz, 1H), 7.75 (td, J = 7.5Hz, 1H), 8.71 (d, J = 5.1Hz, 1H). mp 91-92°C; 'H NMR (CDCls) δ 1.77 (s, 3H), 1.81 (s, 3H), 2.29 (s, 3H), 2.36 (s, 3H), 4.64 (d, J = 6.6Hz, 2H), 5.55 (t, J = 6.6Hz, 1H), 6.98-7.15 (m, 1H), 7.25 (m, 1H), 7.32 (s, 1H), 7.45 (m 1H), 7.75 (m, 1H), 8.71 (m, 1H); IR (KBr) 1584, 1566, 1520, 1498, 1469, 1460, 1433, 1422, 1385, 1302, 1278, 1267, 1234, 1129, 998 cm ⁻¹ . mp 120-122°C; 'H NMR (CDCls) δ 1.13-1.25 (m, 4H), 1.62-1.90 (m, 4H), 1.77 (s, 3H), 1.81 (s, 3H), 2.03-2.16 (m, 2H), 2.27 (s, 3H), 2.36 (s, 3H), 3.31 (m, 1H), 4.63 (d, J = 6.6Hz, 2H), 5.55 (t, J = 6.6Hz, 1H), 6.90-7.13 (m, 5H), 7.21-7.32 (m, 2H), 8.10 (m, 1H); IR (KBr) 3392, 1591, 1516, 1482, 1298, 1274, 1262, 1231, 1136, 1124, 994, 835 cm ⁻¹ . H NMR (CDCls) δ 1.77 (s, 3H), 1.82 (s, 3H), 2.16 (s, 6H), 2.27 (s, 3H), 7.21-7.30 (m, 3H), 8.31 (t, J=3.0 Hz, 1H), ; IR (neat): 2960, 2918, 1579, 1496, 1294, 1117, 991, 753 cm ⁻¹ 'H NMR (CDCls) δ 1.69 (s, 3H), 1.74 (s, 3H), 1.77 (s, 3H), 1.81 (s, 3H), 2.17 (s, 3H), 2.26 (s, 3H), 4.56 (d, J=6.6Hz, 2H), 4.63 (d, J=6.9Hz, 2H), 5.34-5.39 (m, 1H), 5.53-5.58 (m, 1H), 7.97-7.13 (m, 4H), 7.21-7.29(m,3H), 8.30 (dd, J=1.5, 4.5Hz, 1H), ; IR (neat): 2968, 2914, 1577, 1516, 1495, 1267, 1229, 140, 140, 140, 140, 140, 140, 140, 140		Ib-208	7.00-7.11 (m, 5H), 7.23-7.29 (m, 2H), 8.20 (d, $J = 2.4$ Hz, 1H) 1R (KBr):
mp 107-108 °C; ¹H NMR (CDCl ₃) δ 1.77 (s, 3H), 1.81 (s, 3H), 2.31 (s, 3H), 2.40 (s, 3H), 4.64 (d, J = 6.6Hz, 2H), 5.52-5.58 (m, 1H), 7.02-7.11 (m, 3H), 7.18 (s, 1H), 7.37 (s, 1H), 7.66 (d, J = 8.7Hz, 1H), 8.54 (dd, J = 2.4, 8.4Hz, 1H), 9.53 (d, J = 2.1Hz, 1H) IR (KBr): 3440, 2969, 1592, 1572, 1517, 1497, 1460. 1346, 1314. 1294. 1264, 1233. 1195, 1128. 990 cm.¹ Oil; ¹H NMR (CDCl ₃) δ 1.77 (s, 3H), 1.82 (s, 3H), 2.29 (s, 3H), 2.36 (s, 3H), 4.56 (d, J = 6.6Hz, 2H), 5.54 (t, J = 6.6Hz, 1H), 6.97 (d, J = 8.1Hz, 2H), 7.15 (s, 1H), 7.75 (m, 1H), 7.25 (m, 1H), 8.71 (d, J = 5.1Hz, 1H). mp 91-92°C; ¹H NMR (CDCl ₃) δ 1.77 (s, 3H), 1.81 (s, 3H), 2.29 (s, 3H), 2.36 (s, 3H), 4.64 (d, J = 6.6Hz, 2H), 5.55 (t, J = 6.6Hz, 1H), 6.98-7.15 (m, 1H), 7.25 (m, 1H), 7.32 (s, 1H), 7.45 (m, 1H), 7.75 (m, 1H), 8.71 (m, 1H); IR (KBr) 1584, 1566, 1520, 1498, 1469, 1460, 1433, 1422, 1385, 1302, 1278, 1267, 1234, 1129. 998 cm.¹ mp 120-122°C; ¹H NMR (CDCl ₃) δ 1.13-1.25 (m, 4H), 1.62-1.90 (m, 4H), 1.77 (s, 3H), 1.81 (s, 3H), 2.36 (s, 2H), 3.31 (m, 1H), 4.63 (d, J = 6.6Hz, 2H), 5.55 (t, J = 6.6Hz, 1H), 6.90-7.13 (m, 5H), 7.21-7.32 (m, 2H), 8.10 (m, 1H); IR (KBr) 3392, 1591, 1516, 1482, 1298, 1274, 1262, 1231, 1136, 1124, 994, 835 cm.¹ Ib-213 Ib-214 (m, 1H), 4.63 (d, J = 6.6Hz, 2H), 5.53-5.58 (m, 1H), 6.98-7.13 (m, 4H), 7.22-7.30 (m, 3H), 8.31 (t, J=3.0 Hz, 1H), ; IR (neat): 2960, 2918, 1579, 1496, 1294, 1117, 991, 753 cm.¹ Ib-214 (m, 1H), 5.53-5.58 (m, 1H), 7.97-7.13 (m, 4H), 7.21-7.29(m,3H), 8.30 (dd, J=6.6Hz, 2H), 4.63 (d, J=6.9Hz, 2H), 5.34-5.39 (m, 1H), 5.53-5.58 (m, 1H), 5.53-5.58 (m, 1H), 5.53-5.39 (m, 1H), 5.53-5.58 (m, 1H), 5.53-5.39 (m, 1H), 7.97-7.13 (m, 4H), 7.97-7.13 (m, 4H), 7.91-7.13 (m, 4H), 7.97-7.13 (m, 4H), 7.91-7.13 (
2.40 (s, 3H), 4.64 (d, J = 6.6Hz, 2H), 5.52-5.58 (m, 1H), 7.02-7.11 (m, 3H), 7.18 (s, 1H), 7.37 (s, 1H), 7.66 (d, J = 8.7Hz, 1H), 8.54 (dd, J = 2.4, 8.4Hz, 1H), 9.53 (d, J = 2.1Hz, 1H) IR (KBr): 3440, 2969, 1592, 1572, 1517, 1497, 1460, 1346, 1314, 1294, 1264, 1233, 1195, 1128, 990 cm ⁻¹ Oil; 'H NMR (CDCl ₃) & 1.77 (s, 3H), 1.82 (s, 3H), 2.29 (s, 3H), 2.36 (s, 3H), 4.56 (d, J = 6.6Hz, 2H), 5.54 (t, J = 6.6Hz, 1H), 6.97 (d, J = 8.1Hz, 2H), 7.15 (s, 1H), 7.25 (m, 1H), 7.28 (d, J = 8.1Hz, 2H), 7.32 (s, 1H), 7.45 (d, J = 7.5Hz, 1H), 7.75 (td, J = 7.5, 1.8Hz, 1H), 8.71 (d, J = 5.1Hz, 1H) mp 91-92°C; 'H NMR (CDCl ₃) & 1.77 (s, 3H), 1.81 (s, 3H), 2.29 (s, 3H), 2.36 (s, 3H), 4.64 (d, J = 6.6Hz, 2H), 5.55 (t, J = 6.6Hz, 1H), 6.98-7.15 (m, 4H), 7.25 (m, 1H), 7.32 (s, 1H), 7.45 (m 1H) 7.,75 (m, 1H), 8.71 (m, 1H); IR (KBr) 1584, 1566, 1520, 1498, 1469, 1460, 1433, 1422, 1385, 1302, 1278, 1267, 1234, 1129, 998 cm ⁻¹ mp 120-122°C; 'H NMR (CDCl ₃) & 1.13-1.25 (m, 4H), 1.62-1.90 (m, 4H), 1.77 (s, 3H), 1.81 (s, 3H), 2.03-2.16 (m, 2H), 2.27 (s, 3H), 2.36 (s, 3H), 3.31 (m, 1H), 4.63 (d, J = 6.6Hz, 2H), 5.55 (t, J = 6.6Hz, 1H), 6.90-7.13 (m, 5H), 7.21-7.32 (m, 2H), 8.10 (m, 1H); IR (KBr) 3392, 1591, 1516, 1482, 1298, 1274, 1262, 1231, 1136, 1124, 994, 835 cm ⁻¹ Ib-213 HNR (CDCl ₃) & 1.77 (s, 3H), 1.82 (s, 3H), 2.16 (s, 6H), 2.27 (s, 3H), 1.496, 1294, 1117, 991, 753 cm ⁻¹ HNMR (CDCl ₃) & 1.69 (s, 3H), 1.74 (s, 3H), 1.77 (s, 3H), 1.81 (s, 3H), 2.17 (s, 3H), 2.26 (s, 3H), 4.56 (d, J=6.6Hz, 2H), 4.63 (d, J=6.9Hz, 2H), 5.34-5.39 (m, 1H), 5.53-5.58 (m, 1H), 5.53-5.58 (m, 1H), 5.53-5.35 (m, 1H), 5.53-5.58 (m, 1H), 5.53-5.35 (m, 1H), 7.97-7.13 (m, 4H), 7.21-7.29(m, 3H), 8.30 (dd, J=1.5, 4.5Hz, 1H), ; IR (neat): 2968, 2914, 1577, 1516, 1495, 1267, 1229, 1201, 1			1267, 1256, 1230, 1125, 1000 cm-1
Ib-209 7.18 (s, 1H), 7.37 (s, 1H), 7.66 (d, J = 8.7Hz, 1H), 8.54 (dd, J = 2.4, 8.4Hz, 1H), 9.53 (d, J = 2.1Hz, 1H) IR (KBr): 3440, 2969, 1592, 1572, 1517, 1497, 1460, 1346, 1314, 1294, 1264, 1233, 1195, 1128, 990 cm ⁻¹	25		mp 107-108 °C; ¹H NMR (CDCl3) 8 1.77 (s, 3H), 1.81 (s, 3H), 2.31 (s, 3H),
1H), 9.53 (d, J = 2.1Hz, 1H) IR (KBr): 3440, 2969, 1592, 1572, 1517, 1497, 1460, 1346, 1314, 1294, 1264, 1233, 1195, 1128, 990 cm ⁻¹ Oil; ¹ H NMR (CDCl ₃) & 1.77 (s, 3H), 1.82 (s, 3H), 2.29 (s, 3H), 2.36 (s, 3H), 4.56 (d, J = 6.6Hz, 2H), 5.54 (t, J = 6.6Hz, 1H), 6.97 (d, J = 8.1Hz, 2H), 7.15 (s, 1H), 7.25 (m, 1H), 7.28 (d, J = 8.1Hz, 2H), 7.32 (s, 1H), 7.45 (d, J = 7.5Hz, 1H), 7.75 (td, J = 7.5, 1.8Hz, 1H), 8.71 (d, J = 5.1Hz, 1H). mp 91-92°C; ¹ H NMR (CDCl ₃) & 1.77 (s, 3H), 1.81 (s, 3H), 2.29 (s, 3H), 2.36 (s, 3H), 4.64 (d, J = 6.6Hz, 2H), 5.55 (t, J = 6.6Hz, 1H), 6.98-7.15 (m, 4H), 7.25 (m, 1H), 7.32 (s, 1H), 7.45 (m 1H) 775 (m, 1H), 8.71 (m, 1H); IR (KBr) 1584, 1566, 1520, 1498, 1469, 1460, 1433, 1422, 1385, 1302, 1278, 1267, 1234, 1129, 998 cm ⁻¹ . mp 120-122°C; ¹ H NMR (CDCl ₃) & 1.13-1.25 (m, 4H), 1.62-1.90 (m, 4H), 1.77 (s, 3H), 1.81 (s, 3H), 2.03-2.16 (m, 2H), 2.27 (s, 3H), 2.36 (s, 3H), 3.31 (m, 1H), 4.63 (d, J = 6.6Hz, 2H), 5.55 (t, J = 6.6Hz, 1H), 6.90-7.13 (m, 5H), 7.21-7.32 (m, 2H), 8.10 (m, 1H); IR (KBr) 3392, 1591, 1516, 1482, 1298, 1274, 1262, 1231, 1136, 1124, 994, 835 cm ⁻¹ . H NMR (CDCl ₃) & 1.77 (s, 3H), 1.82 (s, 3H), 2.16 (s, 6H), 2.27 (s, 3H), 3.85 (s, 3H), 4.63 (d, J=6.6 Hz, 2H), 5.53-5.58 (m, 1H), 6.98-7.13 (m, 4H), 7.22-7.30 (m, 3H), 8.31 (t, J=3.0 Hz, 1H), ; IR (neat): 2960, 2918, 1579, 1496, 1294, 1117, 991, 753 cm ⁻¹ . H NMR (CDCl ₃) & 1.69 (s, 3H), 1.74 (s, 3H), 1.77 (s, 3H), 1.81 (s, 3H), 2.17 (s, 3H), 2.26 (s, 3H), 4.56 (d, J=6.6Hz, 2H), 5.53-5.58 (m, 1H), 5.34-5.39 (m, 1H), 5.53-5.58 (m, 1H), 5.53-5.58 (m, 1H), 7.97-7.13 (m, 4H), 7.21-7.29(m,3H), 8.30 (dd, J=1.5, 4.5Hz, 1H), ; IR (neat): 2968, 2914, 1577, 1516, 1495, 1267, 1229,			$\begin{bmatrix} 2.40 \text{ (s, 3H)}, 4.64 \text{ (d, J = 6.6Hz, 2H)}, 5.52-5.58 \text{ (m, 1H)}, 1.02-1.11 \text{ (m, 5H)}, 1.02-1.11 (m, $
1460. 1346, 1314. 1294. 1264, 1233. 1195, 1128. 990 cm ⁻¹ Oil; 'H NMR (CDCl ₃) & 1.77 (s, 3H). 1.82 (s, 3H), 2.29 (s, 3H), 2.36 (s, 3H), 4.56 (d, J = 6.6Hz, 2H), 5.54 (t, J = 6.6Hz, 1H), 6.97 (d, J = 8.1Hz, 2H), 7.15 (s, 1H), 7.25 (m, 1H), 7.28 (d, J = 8.1Hz, 2H), 7.32 (s, 1H), 7.45 (d, J = 7.5Hz, 1H). 7.75 (td, J = 7.5, 1.8Hz, 1H), 8.71 (d, J = 5.1Hz, 1H). mp 91-92°C; 'H NMR (CDCl ₃) & 1.77 (s, 3H), 1.81 (s, 3H), 2.29 (s, 3H), 2.36 (s, 3H), 4.64 (d, J = 6.6Hz, 2H), 5.55 (t, J = 6.6Hz, 1H), 6.98-7.15 (m, 4H), 7.25 (m, 1H), 7.32 (s, 1H), 7.45 (m 1H) 7.75 (m, 1H), 8.71 (m, 1H); IR (KBr) 1584, 1566, 1520, 1498, 1469, 1460, 1433, 1422, 1385, 1302, 1278, 1267, 1234, 1129, 998 cm ⁻¹ . mp 120-122°C; 'H NMR (CDCl ₃) & 1.13-1.25 (m, 4H), 1.62-1.90 (m, 4H), 1.77 (s, 3H), 1.81 (s, 3H), 2.03-2.16 (m, 2H), 2.27 (s, 3H), 2.36 (s, 3H), 3.31 (m, 1H), 4.63 (d, J = 6.6Hz, 2H), 5.55 (t, J = 6.6Hz, 1H), 6.90-7.13 (m, 5H), 7.21-7.32 (m, 2H), 8.10 (m, 1H); IR (KBr) 3392, 1591, 1516, 1482, 1298, 1274, 1262, 1231, 1136, 1124, 994, 835 cm ⁻¹ . 1b-213 1b-214 Ib-213 Ib-214 Ib-214 Ib-215 Ib-216 Ib-217 Ib-218 Ib-218 Ib-219 Ib-		Ib-209	7.18 (s, 1H), 7.37 (s, 1H), 7.55 (d, 3 = 5.772, 1H), 5.54 (dd, 3 = 2.4, 6.4H2, 1H2, 1H3, 1H3, 1H3, 1H3, 1H3, 1H3, 1H3, 1H3
Oil, 'H NMR (CDCl ₃) & 1.77 (s, 3H), 1.82 (s, 3H), 2.29 (s, 3H), 2.36 (s, 3H), 4.56 (d, J = 6.6Hz, 2H), 5.54 (t, J = 6.6Hz, 1H), 6.97 (d, J = 8.1Hz, 2H), 7.15 (s, 1H), 7.25 (m, 1H), 7.28 (d, J = 8.1Hz, 2H), 7.32 (s, 1H), 7.45 (d, J = 7.5Hz, 1H), 7.75 (td, J = 7.5, 1.8Hz, 1H), 8.71 (d, J = 5.1Hz, 1H). mp 91-92°C; 'H NMR (CDCl ₃) & 1.77 (s, 3H), 1.81 (s, 3H), 2.29 (s, 3H), 2.36 (s, 3H), 4.64 (d, J = 6.6Hz, 2H), 5.55 (t, J = 6.6Hz, 1H), 6.98-7.15 (m, 4H), 7.25 (m, 1H), 7.32 (s, 1H), 7.45 (m 1H) 7.75 (m, 1H), 8.71 (m, 1H); IR (KBr) 1584, 1566, 1520, 1498, 1469, 1460, 1433, 1422, 1385, 1302, 1278, 1267, 1234, 1129, 998 cm ⁻¹ . mp 120-122°C; 'H NMR (CDCl ₃) & 1.13-1.25 (m, 4H), 1.62-1.90 (m, 4H), 1.77 (s, 3H), 1.81 (s, 3H), 2.03-2.16 (m, 2H), 2.27 (s, 3H), 2.36 (s, 3H), 3.31 (m, 1H), 4.63 (d, J = 6.6Hz, 2H), 5.55 (t, J = 6.6Hz, 1H), 6.90-7.13 (m, 5H), 7.21-7.32 (m, 2H), 8.10 (m, 1H); IR (KBr) 3392, 1591, 1516, 1482, 1298, 1274, 1262, 1231, 1136, 1124, 994, 835 cm ⁻¹ . lb-213 Ib-213 (m, 3H), 8.31 (t, J=3.0 Hz, 1H), ; IR (neat): 2960, 2918, 1579, 1496, 1294, 1117, 991, 753 cm ⁻¹ lh NMR (CDCl ₃) & 1.69 (s, 3H), 1.74 (s, 3H), 1.77 (s, 3H), 1.81 (s, 3H), 2.17 (s, 3H), 2.26 (s, 3H), 4.56 (d, J=6.6Hz, 2H), 4.63 (d, J=6.9Hz, 2H), 5.34-5.39 (m, 1H), 5.53-5.58 (m, 1H), 5.53-5.58 (m, 1H), 5.53-5.39 (m, 1H), 7.97-7.13 (m, 4H), 7.21-7.29(m, 3H), 8.30 (dd, J=1.5, 4.5Hz, 1H), ; IR (neat): 2968, 2914, 1577, 1516, 1495, 1267, 1229,			1H), 9.53 (d, J = 2.1Hz, 1H) 1R (R.Dr). 3440, 2303, 1332, 1312, 1311, 1431, 1400, 1346, 1314, 1304, 1364, 1323, 1195, 1198, 990, cm ⁻¹
4.56 (d, J = 6.6Hz, 2H), 5.54 (t, J = 6.6Hz, 1H), 6.97 (d, J = 8.1Hz, 2H), 7.15 (s, 1H), 7.25 (m, 1H), 7.28 (d, J = 8.1Hz, 2H), 7.32 (s, 1H), 7.45 (d, J = 7.5Hz, 1H), 7.75 (td, J = 7.5, 1.8Hz, 1H), 8.71 (d, J = 5.1Hz, 1H). mp 91-92°C; ¹H NMR (CDCl ₃) δ 1.77 (s, 3H), 1.81 (s, 3H), 2.29 (s, 3H), 2.36 (s, 3H), 4.64 (d, J = 6.6Hz, 2H), 5.55 (t, J = 6.6Hz, 1H), 6.98-7.15 (m, 4H), 7.25 (m, 1H), 7.32 (s, 1H), 7.45 (m 1H) 7.75 (m, 1H), 8.71 (m, 1H); IR (KBr) 1584, 1566, 1520, 1498, 1469, 1460, 1433, 1422, 1385, 1302, 1278, 1267, 1234, 1129, 998 cm ⁻¹ . mp 120-122°C; ¹H NMR (CDCl ₃) δ 1.13-1.25 (m, 4H), 1.62-1.90 (m, 4H), 1.77 (s, 3H), 1.81 (s, 3H), 2.03-2.16 (m, 2H), 2.27 (s, 3H), 2.36 (s, 3H), 3.31 (m, 1H), 4.63 (d, J = 6.6Hz, 2H), 5.55 (t, J = 6.6Hz, 1H), 6.90-7.13 (m, 5H), 7.21-7.32 (m, 2H), 8.10 (m, 1H); IR (KBr) 3392, 1591, 1516, 1482, 1298, 1274, 1262, 1231, 1136, 1124, 994, 835 cm ⁻¹ . H NMR (CDCl ₃) δ 1.77 (s, 3H), 1.82 (s, 3H), 2.16 (s, 6H), 2.27 (s, 3H), 3.85 (s, 3H), 4.63 (d, J=6.6 Hz, 2H), 5.53-5.58 (m, 1H), 6.98-7.13 (m, 4H), 7.22-7.30 (m, 3H), 8.31 (t, J=3.0 Hz, 1H), ; IR (neat): 2960, 2918, 1579, 1496, 1294, 1117, 991, 753 cm ⁻¹ lh NMR (CDCl ₃) δ 1.69 (s, 3H), 1.74 (s, 3H), 1.77 (s, 3H), 1.81 (s, 3H), 2.17 (s, 3H), 2.26 (s, 3H), 4.56 (d, J=6.6Hz, 2H), 4.63 (d, J=6.9Hz, 2H), 5.34-5.39 (m, 1H), 5.53-5.58 (m, 1H), 7.97-7.13 (m, 4H), 7.21-7.29(m,3H), 8.30 (dd, J=1.5, 4.5Hz, 1H), ; IR (neat): 2968, 2914, 1577, 1516, 1495, 1267, 1229,			1460, 1346, 1314, 1294, 1204, 1203, 1100, 1120, 300 cm
(s, 1H), 7.25 (m, 1H), 7.28 (d, J = 8.1Hz, 2H), 7.32 (s, 1H), 7.45 (d, J = 7.5Hz, 1H), 7.75 (td, J = 7.5, 1.8Hz, 1H), 8.71 (d, J = 5.1Hz, 1H). mp 91-92°C; ¹H NMR (CDCl ₃) & 1.77 (s, 3H), 1.81 (s, 3H), 2.29 (s, 3H), 2.36 (s, 3H), 4.64 (d, J = 6.6Hz, 2H), 5.55 (t, J = 6.6Hz, 1H), 6.98-7.15 (m, 4H), 7.25 (m, 1H), 7.32 (s, 1H), 7.45 (m 1H) 7.,75 (m, 1H), 8.71 (m, 1H); IR (KBr) 1584, 1566, 1520, 1498, 1469, 1460, 1433, 1422, 1385, 1302, 1278, 1267, 1234, 1129, 998 cm ⁻¹ . mp 120-122°C; ¹H NMR (CDCl ₃) & 1.13-1.25 (m, 4H), 1.62-1.90 (m, 4H), 1.77 (s, 3H), 1.81 (s, 3H), 2.03-2.16 (m, 2H), 2.27 (s, 3H), 2.36 (s, 3H), 3.31 (m, 1H), 4.63 (d, J = 6.6Hz, 2H), 5.55 (t, J = 6.6Hz, 1H), 6.90-7.13 (m, 5H), 7.21-7.32 (m, 2H), 8.10 (m, 1H); IR (KBr) 3392, 1591, 1516, 1482, 1298, 1274, 1262, 1231, 1136, 1124, 994, 835 cm ⁻¹ . Ib-213 Ib-214 Ib-215 Ib-216 (s, 3H), 4.63 (d, J=6.6 Hz, 2H), 5.53-5.58 (m, 1H), 6.98-7.13 (m, 4H), 7.22-7.30 (m, 3H), 8.31 (t, J=3.0 Hz, 1H), ; IR (neat): 2960, 2918, 1579, 1496, 1294, 1117, 991, 753 cm ⁻¹ IH NMR (CDCl ₃) & 1.69 (s, 3H), 1.74 (s, 3H), 1.77 (s, 3H), 1.81 (s, 3H), 2.17 (s, 3H), 2.26 (s, 3H), 4.56 (d, J=6.6Hz, 2H), 4.63 (d, J=6.9Hz, 2H), 5.34-5.39 (m, 1H), 5.53-5.58 (m, 1H), 7.97-7.13 (m, 4H), 7.21-7.29(m,3H), 8.30 (dd, J=1.5, 4.5Hz, 1H), ; IR (neat): 2968, 2914, 1577, 1516, 1495, 1267, 1229,	30		011 ; H NMR (CDCI3) 0^{-1} . If (8, 3H), 1.02 (8, 3H), 2.20 (8, 3H), 2.20 (8, 3H), 1.02 (8, 3H), 2.20 (8, 3H), 2.20 (8, 3H), 1.02 (8, 3H), 2.20 (8, 3H),
7.5Hz. 1H). 7.75 (td. J = 7.5, 1.8Hz, 1H). 8.71 (d. J = 5.1Hz, 1H). mp 91-92°C; ¹H NMR (CDCl ₃) & 1.77 (s, 3H), 1.81 (s, 3H), 2.29 (s, 3H), 2.36 (s, 3H). 4.64 (d, J = 6.6Hz, 2H), 5.55 (t, J = 6.6Hz, 1H), 6.98-7.15 (m, 4H), 7.25 (m, 1H), 7.32 (s, 1H), 7.45 (m 1H) 7.,75 (m, 1H), 8.71 (m, 1H); IR (KBr) 1584, 1566, 1520, 1498, 1469, 1460, 1433, 1422, 1385, 1302, 1278, 1267, 1234, 1129, 998 cm ⁻¹ . mp 120-122°C; ¹H NMR (CDCl ₃) & 1.13-1.25 (m, 4H), 1.62-1.90 (m, 4H), 1.77 (s, 3H), 1.81 (s, 3H), 2.03-2.16 (m, 2H), 2.27 (s, 3H), 2.36 (s, 3H), 3.31 (m, 1H), 4.63 (d, J = 6.6Hz, 2H), 5.55 (t, J = 6.6Hz, 1H), 6.90-7.13 (m, 5H), 7.21-7.32 (m, 2H), 8.10 (m, 1H); IR (KBr) 3392, 1591, 1516, 1482, 1298, 1274, 1262, 1231, 1136, 1124, 994, 835 cm ⁻¹ . lb-213 lb-214 lb-213 lb-214 lb-215 lb-216 (s, 3H), 4.63 (d, J=6.6 Hz, 2H), 5.53-5.58 (m, 1H), 6.98-7.13 (m, 4H), 7.22-7.30 (m, 3H), 8.31 (t, J=3.0 Hz, 1H), ; IR (neat): 2960, 2918, 1579, 1496, 1294, 1117, 991, 753 cm ⁻¹ lH NMR (CDCl ₃) & 1.69 (s, 3H), 1.74 (s, 3H), 1.77 (s, 3H), 1.81 (s, 3H), 2.17 (s, 3H), 2.26 (s, 3H), 4.56 (d, J=6.6Hz, 2H), 4.63 (d, J=6.9Hz, 2H), 5.34-5.39 (m, 1H), 5.53-5.58 (m, 1H), 7.97-7.13 (m, 4H), 7.21-7.29(m,3H), 8.30 (dd, J=1.5, 4.5Hz, 1H), ; IR (neat): 2968, 2914, 1577, 1516, 1495, 1267, 1229,		Ib-210	4.50 (a, J = 0.0 Hz, 2 H), 3.34 (b, J = 0.0 Hz, 1 H), 0.07 (a, b = 0.1 Hz, 2 H), 7.10 (b, J = 0.0 Hz, 2 Hz), 7.25 (m. 14D), 7.25 (d. J = 0.0 Hz, 2 Hz), 7.32 (s. 14D), 7.45 (d. J = 0.0 Hz), 7.32 (s. 14D), 7.45 (d. J = 0.0 Hz), 7.45 (d. J = 0.0 H
mp 91-92°C; ¹H NMR (CDCl ₃) & 1.77 (s, 3H), 1.81 (s, 3H), 2.29 (s, 3H), 2.36 (s, 3H), 4.64 (d, J = 6.6Hz, 2H), 5.55 (t, J = 6.6Hz, 1H), 6.98-7.15 (m, 4H), 7.25 (m, 1H), 7.32 (s, 1H), 7.45 (m 1H) 7.,75 (m, 1H), 8.71 (m, 1H); IR (KBr) 1584, 1566, 1520, 1498, 1469, 1460, 1433, 1422, 1385, 1302, 1278, 1267, 1234, 1129, 998 cm ⁻¹ . mp 120-122°C; ¹H NMR (CDCl ₃) & 1.13-1.25 (m, 4H), 1.62-1.90 (m, 4H), 1.77 (s, 3H), 1.81 (s, 3H), 2.03-2.16 (m, 2H), 2.27 (s, 3H), 2.36 (s, 3H), 3.31 (m, 1H), 4.63 (d, J = 6.6Hz, 2H), 5.55 (t, J = 6.6Hz, 1H), 6.90-7.13 (m, 5H), 7.21-7.32 (m, 2H), 8.10 (m, 1H); IR (KBr) 3392, 1591, 1516, 1482, 1298, 1274, 1262, 1231, 1136, 1124, 994, 835 cm ⁻¹ . 1b-213			(5, 111), 7.25 (m, 111), 7.25 (d, 0 = 0.1111, 212), 7.52 (d, 112), 7.542 (H), 7.75 (td. J = 7.5, 1.8Hz, 1H), 8.71 (d. J = 5.1Hz, 1H).
2.36 (s, 3H), 4.64 (d, J = 6.6Hz, 2H), 5.55 (t, J = 6.6Hz, 1H), 6.98-7.15 (m, 4H), 7.25 (m, 1H), 7.32 (s, 1H), 7.45 (m 1H) 7.75 (m, 1H), 8.71 (m, 1H); IR (KBr) 1584, 1566, 1520, 1498, 1469, 1460, 1433, 1422, 1385, 1302, 1278, 1267, 1234, 1129, 998 cm ⁻¹ . mp 120-122°C; ¹ H NMR (CDCl ₃) & 1.13-1.25 (m, 4H), 1.62-1.90 (m, 4H), 1.77 (s, 3H), 1.81 (s, 3H), 2.03-2.16 (m, 2H), 2.27 (s, 3H), 2.36 (s, 3H), 3.31 (m, 1H), 4.63 (d, J = 6.6Hz, 2H), 5.55 (t, J = 6.6Hz, 1H), 6.90-7.13 (m, 5H), 7.21-7.32 (m, 2H), 8.10 (m, 1H); IR (KBr) 3392, 1591, 1516, 1482, 1298, 1274, 1262, 1231, 1136, 1124, 994, 835 cm ⁻¹ . H NMR (CDCl ₃) & 1.77 (s, 3H), 1.82 (s, 3H), 2.16 (s, 6H), 2.27 (s, 3H), 3.85 (s, 3H), 4.63 (d, J=6.6 Hz, 2H), 5.53-5.58 (m, 1H), 6.98-7.13 (m, 4H), 7.22-7.30 (m, 3H), 8.31 (t, J=3.0 Hz, 1H), ; IR (neat): 2960, 2918, 1579, 1496, 1294, 1117, 991, 753 cm ⁻¹ H NMR (CDCl ₃) & 1.69 (s, 3H), 1.74 (s, 3H), 1.77 (s, 3H), 1.81 (s, 3H), 2.17 (s, 3H), 2.26 (s, 3H), 4.56 (d, J=6.6Hz, 2H), 4.63 (d, J=6.9Hz, 2H), 5.34-5.39 (m, 1H), 5.53-5.58 (m, 1H), 7.97-7.13 (m, 4H), 7.21-7.29(m,3H), 8.30 (dd, J=1.5, 4.5Hz, 1H), ; IR (neat): 2968, 2914, 1577, 1516, 1495, 1267, 1229,			mp 91 92°C: 1H NMR (CDCla) & 1.77 (s. 3H), 1.81 (s. 3H), 2.29 (s. 3H).
Ib-211 4H), 7.25 (m, 1H), 7.32 (s, 1H), 7.45 (m 1H) 7.75 (m, 1H), 8.71 (m, 1H); IR (KBr) 1584, 1566, 1520, 1498, 1469, 1460, 1433, 1422, 1385, 1302, 1278, 1267, 1234, 1129, 998 cm ⁻¹ . mp 120-122°C; ¹ H NMR (CDCl ₃) δ 1.13-1.25 (m, 4H), 1.62-1.90 (m, 4H), 1.77 (s, 3H), 1.81 (s, 3H), 2.03-2.16 (m, 2H), 2.27 (s, 3H), 2.36 (s, 3H), 3.31 (m, 1H), 4.63 (d, J = 6.6Hz, 2H), 5.55 (t, J = 6.6Hz, 1H), 6.90-7.13 (m, 5H), 7.21-7.32 (m, 2H), 8.10 (m, 1H); IR (KBr) 3392, 1591, 1516, 1482, 1298, 1274, 1262, 1231, 1136, 1124, 994, 835 cm ⁻¹ . Ib-213 Ib-213 Ib-213 Ib-214 (m, 3H), 8.31 (t, J=3.0 Hz, 1H), IR (neat): 2960, 2918, 1579, 1496, 1294, 1117, 991, 753 cm ⁻¹ Ib-214 (m, 1H), 5.53-5.58 (m, 1H), 7.97-7.13 (m, 4H), 7.21-7.29(m,3H), 8.30 (dd, J=1.5, 4.5Hz, 1H), IR (neat): 2968, 2914, 1577, 1516, 1495, 1267, 1229,	35		2.36 (e. 3H) 4.64 (d. J = 6.6Hz, 2H) 5.55 (t. J = 6.6Hz, 1H), 6.98-7.15 (m. J. S.
(KBr) 1584, 1566, 1520, 1498, 1469, 1460, 1433, 1422, 1385, 1302, 1278, 1267, 1234, 1129, 998 cm ⁻¹ . mp 120-122°C; ¹ H NMR (CDCl ₃) δ 1.13-1.25 (m, 4H), 1.62-1.90 (m, 4H), 1.77 (s, 3H), 1.81 (s, 3H), 2.03-2.16 (m, 2H), 2.27 (s, 3H), 2.36 (s, 3H), 3.31 (m, 1H), 4.63 (d, J = 6.6Hz, 2H), 5.55 (t, J = 6.6Hz, 1H), 6.90-7.13 (m, 5H), 7.21-7.32 (m, 2H), 8.10 (m, 1H); IR (KBr) 3392, 1591, 1516, 1482, 1298, 1274, 1262, 1231, 1136, 1124, 994, 835 cm ⁻¹ . Ib-213 Ib-213 Ib-214 Ib-214 Ib-215 Ib-214 Ib-216 Ib-217 Ib-218 Ib-218 Ib-219	00	Th-211	4H) 7.25 (m. 1H) 7.32 (s. 1H) 7.45 (m. 1H) 7.75 (m. 1H), 8.71 (m. 1H); IR
1267. 1234, 1129. 998 cm ⁻¹ . mp 120-122°C; ¹ H NMR (CDCl ₃) δ 1.13-1.25 (m, 4H), 1.62-1.90 (m, 4H), 1.77 (s, 3H), 1.81 (s, 3H), 2.03-2.16 (m, 2H). 2.27 (s, 3H), 2.36 (s, 3H), 3.31 (m, 1H), 4.63 (d, J = 6.6Hz, 2H), 5.55 (t, J = 6.6Hz, 1H), 6.90-7.13 (m, 5H), 7.21-7.32 (m, 2H), 8.10 (m, 1H); IR (KBr) 3392, 1591, 1516, 1482, 1298, 1274, 1262. 1231. 1136. 1124, 994, 835 cm ⁻¹ . 1H NMR (CDCl ₃) δ 1.77 (s, 3H), 1.82 (s, 3H), 2.16 (s, 6H), 2.27 (s, 3H), 3.85 (s, 3H), 4.63 (d, J=6.6 Hz, 2H), 5.53-5.58 (m, 1H), 6.98-7.13 (m, 4H), 7.22-7.30 (m, 3H), 8.31 (t, J=3.0 Hz, 1H), ; IR (neat): 2960, 2918, 1579, 1496, 1294, 1117, 991, 753 cm ⁻¹ 1H NMR (CDCl ₃) δ 1.69 (s, 3H), 1.74 (s, 3H), 1.77 (s, 3H),1.81 (s, 3H), 2.17 (s, 3H), 2.26 (s, 3H), 4.56 (d, J=6.6Hz, 2H), 4.63 (d, J=6.9Hz, 2H), 5.34-5.39 (m, 1H), 5.53-5.58 (m, 1H), 7.97-7.13 (m, 4H), 7.21-7.29(m,3H), 8.30 (dd, J=1.5, 4.5Hz, 1H), ; IR (neat): 2968, 2914, 1577, 1516, 1495, 1267, 1229,		10-211	(KBr) 1584, 1566, 1520, 1498, 1469, 1460, 1433, 1422, 1385, 1302, 1278,
mp 120-122°C; ¹H NMR (CDCl ₃) δ 1.13-1.25 (m, 4H), 1.62-1.90 (m, 4H), 1.77 (s, 3H), 1.81 (s, 3H), 2.03-2.16 (m, 2H). 2.27 (s, 3H), 2.36 (s, 3H), 3.31 (m, 1H), 4.63 (d, J = 6.6Hz, 2H), 5.55 (t, J = 6.6Hz, 1H), 6.90-7.13 (m, 5H), 7.21-7.32 (m, 2H), 8.10 (m, 1H); IR (KBr) 3392, 1591, 1516, 1482, 1298, 1274, 1262. 1231. 1136. 1124, 994, 835 cm ⁻¹ . Ib-213 Ib-213 Ih-213 Ih-213 Ih-213 Ih-213 Ih-213 Ih-214 Ih-215 Ih-215 Ih-215 Ih-216 Ih-216 Ih-216 Ih-217 Ih			
1.77 (s, 3H), 1.81 (s, 3H), 2.03-2.16 (m, 2H). 2.27 (s, 3H), 2.36 (s, 3H), 3.31 (m, 1H), 4.63 (d, J = 6.6Hz, 2H), 5.55 (t, J = 6.6Hz, 1H), 6.90-7.13 (m, 5H), 7.21-7.32 (m, 2H), 8.10 (m, 1H); IR (KBr) 3392, 1591, 1516, 1482, 1298, 1274, 1262. 1231, 1136, 1124, 994, 835 cm ⁻¹ . 1H NMR (CDCl ₃) δ 1.77 (s, 3H), 1.82 (s, 3H), 2.16 (s, 6H), 2.27 (s, 3H), 3.85 (s, 3H), 4.63 (d, J=6.6 Hz, 2H), 5.53-5.58 (m, 1H), 6.98-7.13 (m, 4H), 7.22-7.30 (m, 3H), 8.31 (t, J=3.0 Hz, 1H), ; IR (neat): 2960, 2918, 1579, 1496, 1294, 1117, 991, 753 cm ⁻¹ 1H NMR (CDCl ₃) δ 1.69 (s, 3H), 1.74 (s, 3H), 1.77 (s, 3H), 1.81 (s, 3H), 2.17 (s, 3H), 2.26 (s, 3H), 4.56 (d, J=6.6Hz, 2H), 4.63 (d, J=6.9Hz, 2H), 5.34-5.39 (m, 1H), 5.53-5.58 (m, 1H), 7.97-7.13 (m, 4H), 7.21-7.29(m,3H), 8.30 (dd, J=1.5, 4.5Hz, 1H), ; IR (neat): 2968, 2914, 1577, 1516, 1495, 1267, 1229,			mp 120-122°C; 1H NMR (CDCl3) & 1.13-1.25 (m, 4H), 1.62-1.90 (m, 4H),
Ib-212 (m, 1H), 4.63 (d, J = 6.6Hz, 2H), 5.55 (t, J = 6.6Hz, 1H), 6.90-7.13 (m, 5H), 7.21-7.32 (m, 2H), 8.10 (m, 1H); IR (KBr) 3392, 1591, 1516, 1482, 1298, 1274, 1262, 1231, 1136, 1124, 994, 835 cm ⁻¹ . Ih NMR (CDCl ₃) δ 1.77 (s, 3H), 1.82 (s, 3H), 2.16 (s, 6H), 2.27 (s, 3H), 3.85 (s, 3H), 4.63 (d, J=6.6 Hz, 2H), 5.53-5.58 (m, 1H), 6.98-7.13 (m, 4H), 7.22-7.30 (m, 3H), 8.31 (t, J=3.0 Hz, 1H), ; IR (neat): 2960, 2918, 1579, 1496, 1294, 1117, 991, 753 cm ⁻¹ Ih NMR (CDCl ₃) δ 1.69 (s, 3H), 1.74 (s, 3H), 1.77 (s, 3H), 1.81 (s, 3H), 2.17 (s, 3H), 2.26 (s, 3H), 4.56 (d, J=6.6Hz, 2H), 4.63 (d, J=6.9Hz, 2H), 5.34-5.39 (m, 1H), 5.53-5.58 (m, 1H), 7.97-7.13 (m, 4H), 7.21-7.29(m,3H), 8.30 (dd, J=1.5, 4.5Hz, 1H), ; IR (neat): 2968, 2914, 1577, 1516, 1495, 1267, 1229,	40		1.77 (s. 3H), 1.81 (s. 3H), 2.03-2.16 (m, 2H), 2.27 (s. 3H), 2.36 (s. 3H), 3.31
7.21-7.32 (m, 2H), 8.10 (m, 1H); IR (KBr) 3392, 1591, 1516, 1482, 1298, 1274, 1262, 1231, 1136, 1124, 994, 835 cm ⁻¹ . 1H NMR (CDCl ₃) δ 1.77 (s, 3H), 1.82 (s, 3H), 2.16 (s, 6H), 2.27 (s, 3H), 3.85 (s, 3H), 4.63 (d, J=6.6 Hz, 2H), 5.53-5.58 (m, 1H), 6.98-7.13 (m, 4H), 7.22-7.30 (m, 3H), 8.31 (t, J=3.0 Hz, 1H), ; IR (neat): 2960, 2918, 1579, 1496, 1294, 1117, 991, 753 cm ⁻¹ 1H NMR (CDCl ₃) δ 1.69 (s, 3H), 1.74 (s, 3H), 1.77 (s, 3H), 1.81 (s, 3H), 2.17 (s, 3H), 2.26 (s, 3H), 4.56 (d, J=6.6Hz, 2H), 4.63 (d, J=6.9Hz, 2H), 5.34-5.39 (m, 1H), 5.53-5.58 (m, 1H), 7.97-7.13 (m, 4H), 7.21-7.29(m,3H), 8.30 (dd, J=1.5, 4.5Hz, 1H), ; IR (neat): 2968, 2914, 1577, 1516, 1495, 1267, 1229,		Ib-212	(m. 1H), 4.63 (d, $J = 6.6Hz$, 2H), 5.55 (t, $J = 6.6Hz$, 1H), 6.90-7.13 (m. 5H),
1274, 1262. 1231. 1136. 1124, 994, 835 cm ⁻¹ . 14 NMR (CDCl ₃) & 1.77 (s, 3H), 1.82 (s, 3H), 2.16 (s, 6H). 2.27 (s, 3H), 3.85 (s, 3H), 4.63 (d, J=6.6 Hz, 2H). 5.53-5.58 (m, 1H), 6.98-7.13 (m, 4H), 7.22-7.30 (m, 3H), 8.31 (t, J=3.0 Hz, 1H), ; IR (neat): 2960, 2918, 1579, 1496. 1294, 1117. 991. 753 cm ⁻¹ 14 NMR (CDCl ₃) & 1.69 (s, 3H), 1.74 (s, 3H), 1.77 (s, 3H), 1.81 (s, 3H), 2.17 (s, 3H), 2.26 (s, 3H), 4.56 (d, J=6.6Hz, 2H), 4.63 (d, J=6.9Hz, 2H), 5.34-5.39 (m, 1H), 5.53-5.58 (m, 1H), 7.97-7.13 (m, 4H), 7.21-7.29(m,3H), 8.30 (dd, J=1.5, 4.5Hz, 1H), ; IR (neat): 2968, 2914, 1577, 1516, 1495, 1267, 1229,			7.21-7.32 (m, 2H), 8.10 (m, 1H); IR (KBr) 3392, 1591, 1516, 1482, 1298,
Ib-213 Ib-213 Ib-213 Ib-214 If NMR (CDCl ₃) δ 1.77 (s, 3H), 1.82 (s, 3H), 2.16 (s, 6H), 2.27 (s, 3H), 3.85 (s, 3H), 4.63 (d, J=6.6 Hz, 2H), 5.53-5.58 (m, 1H), 6.98-7.13 (m, 4H), 7.22-7.30 (m, 3H), 8.31 (t, J=3.0 Hz, 1H), ; IR (neat): 2960, 2918, 1579, 1496, 1294, 1117, 991, 753 cm ⁻¹ Ih NMR (CDCl ₃) δ 1.69 (s, 3H), 1.74 (s, 3H), 1.77 (s, 3H), 1.81 (s, 3H), 2.17 (s, 3H), 2.26 (s, 3H), 4.56 (d, J=6.6Hz, 2H), 4.63 (d, J=6.9Hz, 2H), 5.34-5.39 (m, 1H), 5.53-5.58 (m, 1H), 7.97-7.13 (m, 4H), 7.21-7.29(m,3H), 8.30 (dd, J=1.5, 4.5Hz, 1H), ; IR (neat): 2968, 2914, 1577, 1516, 1495, 1267, 1229,			1274, 1262, 1231, 1136, 1124, 994, 835 cm ⁻¹ .
3.85 (s, 3H), 4.63 (d, J=6.6 Hz, 2H), 5.53-5.58 (m, 1H), 6.98-7.13 (m, 4H), 7.22-7.30 (m, 3H), 8.31 (t, J=3.0 Hz, 1H), ; IR (neat): 2960, 2918, 1579, 1496, 1294, 1117, 991, 753 cm ⁻¹ Ih NMR (CDCl ₃) & 1.69 (s, 3H), 1.74 (s, 3H), 1.77 (s, 3H), 1.81 (s, 3H), 2.17 (s, 3H), 2.26 (s, 3H), 4.56 (d, J=6.6Hz, 2H), 4.63 (d, J=6.9Hz, 2H), 5.34-5.39 (m, 1H), 5.53-5.58 (m, 1H), 7.97-7.13 (m, 4H), 7.21-7.29(m,3H), 8.30 (dd, J=1.5, 4.5Hz, 1H), ; IR (neat): 2968, 2914, 1577, 1516, 1495, 1267, 1229,			1H NMR (CDCl ₃) δ 1.77 (s, 3H), 1.82 (s, 3H), 2.16 (s, 6H), 2.27 (s, 3H),
7.22-7.30 (m, 3H), 8.31 (t, J=3.0 Hz, 1H), ; IR (neat): 2960, 2918, 1579, 1496, 1294, 1117, 991, 753 cm ⁻¹ 1H NMR (CDCl ₃) & 1.69 (s, 3H), 1.74 (s, 3H), 1.77 (s, 3H), 1.81 (s, 3H), 2.17 (s, 3H), 2.26 (s, 3H), 4.56 (d, J=6.6Hz, 2H), 4.63 (d, J=6.9Hz, 2H), 5.34-5.39 (m, 1H), 5.53-5.58 (m, 1H), 7.97-7.13 (m, 4H), 7.21-7.29(m,3H), 8.30 (dd, J=1.5, 4.5Hz, 1H), ; IR (neat): 2968, 2914, 1577, 1516, 1495, 1267, 1229,	45	71. 010	3.85 (s. 3H), 4.63 (d. J=6.6 Hz, 2H), 5.53-5.58 (m, 1H), 6.98-7.13 (m, 4H),
1496, 1294, 1117, 991, 753 cm ⁻¹ 1H NMR (CDCl ₃) δ 1.69 (s, 3H), 1.74 (s, 3H), 1.77 (s, 3H), 1.81 (s, 3H), 2.17 (s, 3H), 2.26 (s, 3H), 4.56 (d, J=6.6Hz, 2H), 4.63 (d, J=6.9Hz, 2H), 5.34-5.39 (m, 1H), 5.53-5.58 (m, 1H), 7.97-7.13 (m, 4H), 7.21-7.29(m, 3H), 8.30 (dd, J=1.5, 4.5Hz, 1H), ; IR (neat): 2968, 2914, 1577, 1516, 1495, 1267, 1229,		10-213	7.22-7.30 (m, 3H), 8.31 (t, J=3.0 Hz, 1H), ; IR (neat): 2960, 2918, 1579,
¹ H NMR (CDCl ₃) δ 1.69 (s, 3H), 1.74 (s, 3H), 1.77 (s, 3H), 1.81 (s, 3H), 2.17 (s, 3H), 2.26 (s, 3H), 4.56 (d, J=6.6Hz, 2H), 4.63 (d, J=6.9Hz, 2H), 5.34-5.39 (m, 1H), 5.53-5.58 (m, 1H), 7.97-7.13 (m, 4H), 7.21-7.29(m,3H), 8.30 (dd, J=1.5, 4.5Hz, 1H), ; IR (neat): 2968, 2914, 1577, 1516, 1495, 1267, 1229,			1496, 1294, 1117, 991, 753 cm·1
50 Ib-214 (m. 1H), 5.53-5.58 (m. 1H), 7.97-7.13 (m. 4H), 7.21-7.29(m,3H), 8.30 (dd, J=1.5. 4.5Hz, 1H), ; IR (neat): 2968, 2914, 1577, 1516, 1495, 1267, 1229,			1H NMR (CDCla) 8 1.69 (s, 3H), 1.74 (s, 3H), 1.77 (s, 3H), 1.81 (s, 3H), 2.17
50 Ib-214 (m. 1H), 5.53-5.58 (m. 1H), 7.97-7.13 (m. 4H), 7.21-7.29(m,3H), 8.30 (dd, J=1.5. 4.5Hz, 1H), ; IR (neat): 2968, 2914, 1577, 1516, 1495, 1267, 1229,			(s, 3H), 2.26 (s, 3H), 4.56 (d, J=6.6Hz, 2H), 4.63 (d, J=6.9Hz, 2H), 5.34-5.39
J=1.5. 4.5Hz, 1H), ; IR (neat): 2968, 2914, 1577, 1516, 1495, 1267, 1229,	50	Ib-214	(m. 1H), 5.53-5.58 (m. 1H), 7.97-7.13 (m. 4H), 7.21-7.29(m,3H), 8.30 (dd,
			J=1.5, 4.5Hz, 1H), ; IR (neat): 2968, 2914, 1577, 1516, 1495, 1267, 1229,
			1117, 995, 841, 782 cm ⁻¹

Table 108

Ib-215	mp 134-136°C; H NMR (CDCl ₃) δ 1.77.(s, 3H); 1.82 (s, 3H); 1.93 (s, 6H); 1.94 (s, 6H); 3.78 (br s, 2H); 4.64 (d, $J = 6.6$ Hz, 2H); 5.57 (m, 1H); 6.73-7.13 (m, 5H); 8.24 (m, 1H); IR (KBr): 3465, 3333, 3216, 2920, 1633, 1512, 1493, 1461, 1296, 1262, 1242, 1209, 1115 cm ⁻¹ .
Ib-216	mp 124-126°C; ¹ H NMR (CDCIs) δ 1.76 (s, 3H); 1.77 (s. 3H); 1.79 (s, 3H); 1.82 (s. 3H); 1.93 (s, 6H); 1.95 (s, 6H); 3.74 (br, 1H); 3.77 (d, $J = 6.3$ Hz, 2H); 4.64 (d, $J = 6.9$ Hz, 2H); 5.38 (m, 1H); 5.57 (m, 1H); 6.73-7.10 (m, 5H); 8.14 (d, $J = 2.7$ Hz, 1H); IR (KBr): 3272, 2913, 1596, 1509, 1466, 1302, 1261, 1240, 1209. 1115 cm ⁻¹ .
Ib-217	mp 103-110°C; ¹ H NMR (CDCl ₃) δ 1.77 (s, 3H); 1.82 (s. 3H); 1.91 (s, 6H); 1.93 (s, 6H); 4.64 (d, $J = 6.6$ Hz, 2H); 5.57 (m, 1H); 6.74-7.23 (m, 5H); 8.28 (d, $J = 2.7$ Hz, 1H); IR (KBr): 3441, 2921, 1570, 1514, 1462, 1298, 1264, 1241, 1210, 1113, 1004 cm ⁻¹ .
Ib-218	mp 109-110 °C; ¹H NMR (CDCl3) δ 1.78 (s, 3H), 1.82 (s, 3H), 3.77 (s, 3H), 3.78 (s, 3H), 4.87 (d, $J = 7.2$ Hz, 2H), 5.57 (m, 1H), 6.45-6.55 (m, 2H), 6.81 (d, $J = 8.7$, Hz, 1H), 6.83 (s, 1H), 6.91 (s, 1H), 7.19 (t, $J = 8.1$ Hz, 1H), 7.83 (dd. $J = 8.7$, 2.4 Hz. 1H), 8.37 (d, $J = 2.4$ Hz, 1H) IR (KBr): 3425, 3348, 3223, 1634, 1604, 1524, 1484, 1463, 1443, 1396, 1359, 1279, 1209, 1053, 1032, 1003, 867, 832, 782, 661 cm-1
Ib-219	mp 99-100 °C; ¹ H NMR (CDCl ₃) δ 1.25 (d, J = 6.3Hz, 6H), 1.78 (s, 3H), 1.81 (s, 3H), 3.63 (m, 1H), 3.77 (s, 3H), 3.79 (s, 3H), 4.87 (d, J = 6.9Hz, 2H), 5.57 (m, 1H), 6.33-6.47 (m, 2H), 6.81 (d, J = 8.7Hz, 1H), 6.92 (s, 2H), 7.20 (t, J = 8.4Hz, 1H), 7.83 (dd, J = 8.7, 2.4Hz, 1H), 8.36 (d, J = 2.4Hz, 1H), IR (KBr): 3408, 1627, 1599, 1526, 1502, 1477, 1280, 1246, 1210, 1182, 1133, 1121, 1054, 1030, 968, 869, 837, 783, 668 cm ⁻¹
Ib-220	mp 139-145 °C; ¹H NMR (CDCl ₃) δ 1.25 (d, J = 6.6Hz, 6H), 1.79 (s, 3H), 1.82 (s, 3H), 3.79 (s, 3H), 3.80 (s, 3H), 4.53 (m, 1H), 4.61(s, 2H), 4.88 (d, J = 6.9Hz, 2H), 5.57 (m, 1H), 6.82 (d, J = 9.0, Hz, 1H), 6.93 (s, 1H), 6.96 (s, 1H), 7.14-7.24 (m, 2H), 7.45 (m, 1H), 7.84 (dd, J = 9.0, 2.1Hz, 1H), 8.37 (d, J = 2.1Hz, 1H) . IR (KBr): 3377, 3273, 1656, 1605, 1564. 1520, 1484. 1465, 1394, 1339, 1282, 1207, 1055, 1033, 1008, 984, 871, 829, 779, 688, 653, 602, 541 cm ⁻¹
Ib-221	mp 137-138 °C; ¹ H NMR (CDCl ₃) δ 1.24 (d, J = 6.9Hz, 6H), 1.79 (s, 3H), 1.82 (s, 3H), 2.78 (d, J = 5.4Hz, 3H), 3.79 (s, 3H), 3.81 (s, 3H), 4.17 (q, J = 5.4Hz, 2H), 4.44 (m, 1H), 4.88 (d, J = 7.2Hz, 2H), 5.57 (m, 1H), 6.82 (d, J = 8.7Hz, 1H), 6.93 (s, 1H), 6.96 (s, 1H), 7.12-7.22 (m, 2H), 7.44 (t, J = 8.1Hz, 1H), 7.84 (dd, J = 8.7, 2.7Hz, 1H), 8.38 (d, J = 2.7Hz, 1H) IR (KBr): 3294, 1604, 1566, 1519, 1484, 1464, 1395, 1334, 1281, 1208, 1187, 1153, 1103, 1055, 1035, 1007, 981, 870, 829, 779, 688 cm ⁻¹
Ib-222	mp 79-80 °C: ¹H NMR (CDCl₃) δ 1.73 (s, 3H), 1.77 (s, 3H), 1.78 (s, 3H), 1.81 (s. 3H), 3.71 (d. J = 6.6Hz, 2H), 3.77 (s. 3H), 3.79 (s. 3H), 4.87 (d. J = 8.4Hz, 2H), 5.35 (m. 1H), 5.57 (m. 1H), 6.36-6.48 (m. 2H), 6.81 (d. J = 8.4, Hz, 1H), 6.92 (s. 2H), 7.21 (t. J = 8.4Hz, 1H), 7.83 (dd. J = 8.4, 2.4 Hz, 1H), 8.37 (d. J = 2.4Hz, 1H) IR (KBr): 3416, 1629, 1603, 1570, 1526, 1464, 1395, 1278, 1209, 1051, 1034, 1006, 869, 830, 777, 666 cm ¹

Table 109

ı		mp 103-104 °C; ¹H NMR (CDCls) δ 1.56 (s, 3H), 1.72 (s. 3H), 1.78 (s, 3H),
5	Ib-22 3	mp 103-104 °C; ¹H NMR (CDCls) o 1.36 (s, 3H), 1.72 (s. 3H), 1.76 (s, 3H), 1.82 (s, 3H), 2.79 (d, J = 5.1Hz, 3H), 3.78 (s, 3H), 3.79 (s, 3H), 4.22 (q, J = 5.1Hz, 1H), 4.28 (d, J = 6.9Hz, 2H), 4.88 (d, J = 6.6Hz, 2H), 5.30 (m, 1H), 5.57 (m, 1H), 6.82 (d, J = 8.1Hz, 1H), 6.91 (s, 2H), 6.95 (s, 1H), 7.17-7.26 (m, 2H), 7.37-7.44 (m, 1H), 7.83 (dd, J = 8.1, 2.4Hz, 1H), 8.37 (d, J = 2.4Hz, 1H)
10		IR (KBr): 3404, 3313, 1604, 1566, 1520, 1484, 1465, 1395, 1335, 1282, 1209, 1153, 1127, 1055, 1034, 867, 828, 669 cm ⁻¹
15	Ib-224	mp 95-96 °C; ¹H NMR (CDCl ₃) δ 1.70 (s. 3H), 1.82 (s. 3H), 2.27 (s. 3H), 3.82 (br. 2H), 4.87 (d. $J = 7.2$ Hz, 2H), 5.57 (m. 1H), 6.64-6.55 (m. 2H), 6.81 (d. $J = 8.4$, Hz, 1H), 7.50 (t. $J = 8.1$ Hz, 1H), 7.11 (s. 1H), 7.12 (s. 1H), 7.59 (dd. $J = 8.4$, 2.4 Hz, 1H), 8.17 (d. $J = 2.4$ Hz, 1H) IR (KBr): 3436, 3328, 3218, 1634, 1622, 1606,1566, 1522, 1480, 1460, 1444, 1396, 1362. 1304, 1285, 1245. 1168, 1129. 1008. 834 cm ⁻¹
20	Ib-225	mp 90-91 °C; ¹H NMR (CDCl ₃) δ 1.26 (d, $J = 6.3$ Hz, 2H), 1.79 (s, 3H), 1.82 (s, 3H), 2.22 (s, 3H), 2.26 (s, 3H), 3.64 (m, 1H), 4.87 (d, $J = 7.5$ Hz, 2H), 5.57 (m, 1H), 6.33-6.47 (m, 2H), 6.81 (d, $J = 8.4$, Hz, 1H), 7.05 (t. $J = 8.1$ Hz, 1H), 7.10 (s, 1H), 7.13 (s, 1H), 7.59 (dd, $J = 8.4$, 2.4 Hz, 1H), 8.17 (d, $J = 2.4$ Hz, 1H) IR (KBr): 3335, 1628, 1606, 1527, 1481, 1283, 1240, 1183, 1116, 989, 835, 812, 635cm-1
25	Ib-226	mp 87-88 °C; ¹H NMR (CDCl ₃) δ 0.91-1.09 (m, 2H), 1.13-1.36 (m, 4H), 1.40-1.92 (m, 5H), 1.79 (s, 3H), 1.82 (s. 3H), 2.22 (s, 3H), 2.26 (s. 3H), 2.98 (d, J = 6.6Hz, 2H), 4.87 (d, J = 7.2Hz, 2H), 5.57 (m, 1H), 6.32-6.46 (m, 2H), 6.80 (d, J = 8.4Hz, 1H), 7.04 (t, J = 8.4Hz, 1H), 7.10 (s, 1H), 7.12 (s, 1H), 7.59 (dd, J = 8.4, 2.4 Hz, 1H), 8.17 (d, J = 2.4Hz, 1H) IR (KBr): 3444,1628, 1603, 1573, 1524, 1481, 1459, 1358, 1278, 1242, 1168, 1117, 1006, 974,825 cm ⁻¹ .
30 35	Ib-227	mp 76-77 °C; ¹ H NMR (CDCl ₃) δ 1.55 (s, 3H), 1.71 (s, 3H), 1.79 (s, 3H), 1.82 (s, 3H), 2.19 (s, 3H), 2.28 (s, 3H), 2.80 (d, J = 5.4Hz, 3H), 4.20 (q, J = 5.4Hz, 1H), 4.27 (d, J = 7.2Hz, 2H), 4.87 (d, J = 7.2Hz, 2H), 5.29 (m, 1H), 5.57 (m, 1H), 6.82 (d, J = 8.1Hz, 1H), 7.13 (s, 2H), 7.16-7.31 (m, 3H), 7.59 (dd, J = 8.1, 2.4Hz, 1H), 8.17 (d, J = 2.4Hz, 1H) IR (KBr): 3314, 1605, 1562, 1514, 1481, 1346, 1328, 1307, 1283, 1154, 1125, 1072, 1003, 854, 831, 703, 666, cm ⁻¹
40	Ib-228	foam; ¹ H NMR (CDCl ₃) δ 1.00-1.74 (m, 11H), 1.79 (s, 3H), 1.82 (s, 3H), 2.13 (s, 3H), 2.27 (s, 3H), 2.98 (d, J = 6.6Hz, 2H), 4.87 (d, J = 6.9Hz, 2H), 5.54-5.60 (m, 1H), 6.53 (dd, J = 2.4, 8.1Hz, 1H), 6.68 (d, J = 2.7Hz, 1H), 6.80 (d, J = 7.8Hz, 1H), 7.01 (d, J = 8.4Hz, 1H), 7.06 (s, 1H), 7.10 (s, 1H), 7.60 (dd, J = 2.4, 8.4Hz, 1H), 8.18 (d, J = 2.1Hz, 1H) IR (KBr): 3413, 2926, 2853, 1607, 1517, 1479, 1449, 1376, 1281, 1240, 1033, 977 cm ⁻¹ .
45 50	Ib-229	mp 110-112 °C; ¹H NMR (CDCl ₃) δ 1.17-1.79 (m, 8H), 1.79 (s, 3H), 1.82 (s, 3H), 2.07-2.14 (m, 2H), 2.14 (s, 3H), 2.26 (s, 3H), 3.23-3.30 (m, 1H), 3.73 (br s, 1H), 4.87 (d, J = 6.9Hz, 2H), 5.54-5.60 (m, 1H), 6.52 (dd, J = 2.1, 8.1Hz, 1H), 6.68 (d, J = 2.7Hz, 1H), 6.80 (d, J = 8.7Hz, 1H), 7.01 (d, J = 8.4Hz, 1H), 7.06 (s, 1H); 7.09 (s, 1H), 7.60 (dd, J = 2.7, 8.7Hz, 1H), 8.18 (d, J = 1.8Hz, 1H) IR (KBr): 3411, 3310, 2926, 2852, 1607, 1517, 1479, 1376, 1357, 1302, 1284, 1241, 1013, 980 cm ⁻¹
	L	1 220 3 27 33 30 30 30 30 30 30 30 30 30 30 30 30

Table 110

Ib-230	mp oil; H NMR (CDCl ₃) δ 1.74 (s, 3H), 1.78 (s, 3H), 1.79 (s, 3H), 1.82 (s, 3H), 2.14 (s, 3H), 2.27 (s, 3H), 3.71 (d, $J = 6.6$ Hz, 2H), 4.87 (d, $J = 6.9$ Hz, 2H), 5.33-5.37 (m, 1H), 5.55-5.60 (m, 1H), 6.55 (dd, $J = 2.4$, 8.4Hz, 1H), 6.71 (d, $J = 2.4$ Hz, 1H), 6.81 (d, $J = 8.7$ Hz, 1H), 7.03 (d, $J = 8.1$ Hz, 1H), 7.06 (s, 1H), 7.09 (s, 1H), 7.61 (dd, $J = 2.7$, 8.7Hz, 1H), 8.18 (d, $J = 2.4$ Hz, 1H) IR (CDCl ₃): 3017, 2975, 1607, 1517, 1479, 1378, 1358, 1282, 1240, 1227, 1220, 977 cm ⁻¹
Ib-231	mp 137-139 °C; ¹H NMR (CDCl ₃) δ 1.05-1.80 (m, 8H), 1.79 (s, 3H), 1.82 (s, 3H), 2.05-2.12 (m, 2H), 2.22 (s, 3H), 2.26 (s, 3H), 3.22-3.30 (m, 1H), 3.75 (br s, 1H), 4.87 (d, $J = 7.2$ Hz, 2H), 5.54-5.60 (m, 1H), 6.34-6.44 (m, 2H), 6.81 (d, $J = 9.0$ Hz, 1H), 7.03 (d, $J = 8.4$ Hz, 1H), 7.10 (s, 1H), 7.12 (s, 1H), 7.59 (dd, $J = 2.4$, 8.4Hz, 1H), 8.17 (d, $J = 2.7$ Hz, 1H) IR (KBr): 3331, 2924, 2852, 1628, 1605, 1526, 1481, 1452, 1425, 1375, 1334, 1302, 1283, 1241, 1176, 1114, 1016, 986 cm ⁻¹
Ib-232	mp $108-109$ °C; ¹ H NMR (CDCl ₃) & $1.48-1.78$ (m, $6H$), 1.79 (s, $3H$), 1.82 (s, $3H$), $2.00-2.09$ (m, $2H$), 2.22 (s, $3H$), 2.26 (s, $3H$), $3.75-3.83$ (m, $1H$), $3.84-3.90$ (m, $1H$), 4.87 (d, $J=7.2Hz$, $2H$), $5.54-5.60$ (m, $1H$), $6.35-6.45$ (m, $2H$), 6.80 (d, $J=8.4Hz$, $1H$), 7.04 (t, $J=8.4Hz$, $1H$), 7.10 (s, $1H$), 7.12 (s, $1H$), 7.59 (dd, $J=2.7$, $8.4Hz$, $1H$), 8.17 (dd, $J=0.6$, $2.4Hz$, $1H$) IR (KBr): 3328 , 2955 , 2866 , 1627 , 1605 , 1526 , 1481 , 1423 , 1394 , 1356 , 1337 , 1283 , 1240 , 1176 , 1116 , 1016 , 974 cm ⁻¹
Ib-233	mp 77-79 °C; ¹H NMR (CDCl ₃) δ 1.00 (d, $J = 0.6$ Hz, 3H), 1.02 (d, $J = 0.6$ Hz, 3H), 1.79 (s, 3H), 1.82 (s, 3H), 1.86-1.99 (m, 1H), 2.22 (s, 3H), 2.26 (s, 3H), 2.24 (d, $J = 13.2$ Hz, 2H), 3.90 (br s, 1H), 4.87 (d, $J = 6.6$ Hz, 2H), 5.54-5.60 (m, 1H), 6.34-6.50 (m, 2H), 6.81 (d, $J = 8.7$ Hz, 1H), 7.05 (t, $J = 8.4$ Hz, 1H), 7.10 (s, 1H), 7.12 (s, 1H), 7.59-7.61 (m, 1H), 8.16-8.17 (m, 1H) IR (KBr): 3340, 2958, 2928, 2866, 1627, 1606, 1530, 1481, 1395, 1358, 1337, 1284, 1241, 1178, 1115, 1046, 991 cm ⁻¹
Ib-234	mp 109-111 °C: ¹H NMR (CDCls) δ 1.25 (t, J = 7.2Hz, 3H), 1.78 (s, 3H), 1.82 (s, 3H), 2.22 (s, 3H), 2.26 (s, 3H), 2.62-2.70 (m, 2H), 4.19 (br s, 1H), 4.31 (s, 1H), 4.84 (d, J = 6.6Hz, 2H), 5.54-5.60 (m, 1H), 6.39-6.50 (m, 2H), 6.81 (d, J = 9.0Hz, 1H), 7.06 (t, J = 8.4Hz, 1H), 7.10 (s, 1H); 7.12 (s, 1H), 7.21 (d, J = 8.1Hz, 2H), 7.32 (d, J = 8.1Hz, 2H), 7.59 (dd, J = 2.7, 8.4Hz, 1H), 8.17 (d, J = 1.8Hz, 1H) IR (KBr): 3286, 2967, 2927: 2871, 1628, 1598, 1529, 1481, 1469, 1376, 1356, 1336, 1274, 1237, 1173, 1149, 1121, 1003, 975 cm ⁻¹
Ib-235	mp oil; ¹ H NMR (CDCl ₃) δ 1.26 (s, 3H), 1.27 (s, 3H), 1.79 (s, 3H), 1.82 (s, 3H),; 2.22 (s, 3H), 2.26 (s, 3H), 2.87-2.99 (m, 1H), 4.31 (s, 2H), 4.87 (d, J = 7.5Hz, 2H), 5.55-5.60 (m, 1H), 6.40-6.51 (m, 2H), 6.81 (d, J = 8.7Hz, 1H), 7.07 (t, J = 8.4Hz, 1H), 7.10 (s, 1H), 7.12 (s, 1H), 7.17 (d, J = 8.1Hz, 2H), 7.33 (d, J = 8.1Hz, 2H), 7.57-7.61 (m, 1H), 8.16-8.18 (m, 1H) IR (CDCl ₃): 3010. 2964, 1628, 1603, 1523, 1480, 1357, 1282, 1241, 977 cm ⁻¹
Ib-236	mp 203-204 °C: ¹H NMR (CDCl ₃) δ 1.73 (s, 3H), 1.75 (s, 3H), 2.19 (s, 3H), 2.21 (s, 3H), 4.39 (d, J = 4.5Hz, 2H), 4.81 (d, J = 6.9Hz, 2H), 5.47-5.52 (m, 1H), 6.48-6.49 (m, 1H), 6.62 (d, J = 8.4Hz, 2H), 6.85 (d, J = 8.4Hz, 1H), 7.05-7.09 (m, 4H), 7.50 (d, J = 8.1Hz, 2H), 7.71 (dd, J = 2.4, 8.7Hz, 1H), 7.92 (d, J = 8.1Hz, 2H), 8.13 (d, J = 2.1Hz, 1H) IR (KBr): 3422, 3004, 1686, 1609, 1523, 1482, 1423, 1392, 1377, 1356, 1283, 1240, 1182, 1124, 977 cm ⁻¹

Table 111

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55

		(CDC) 11 DCD (CDC) 1 TO (- 2LD 1 22 (- 2LD 2 2C (- 2LD
5	Ib-237	mp 144-147 °C; ¹H NMR (CDCla) δ 1.79 (s, 3H), 1.82 (s, 3H), 2.26 (s, 3H), 2.29 (s, 3H), 3.92 (s, 3H), 4.46 (s, 3H), 4.46 (s, 2H), 4.87 (d, J = 7.2Hz, 2H), 5.54-5.60 (m, 1H), 6.65-6.70 (m, 2H), 6.76 (d, J = 8.4Hz, 2H), 7.17-7.21 (m, 2H), 7.47-7.50 (m, 2H), 7.59 (dd, J = 2.7, 8.4Hz, 2H), 8.01-8.05 (m, 2H), 8.16 (d, J = 2.7Hz, 1H) IR (KBr): 3366, 2951, 1709, 1609, 1523, 1478, 1469,
		(d, 5 = 2.1Hz, 1H) 1R (RBr). 3300, 2331, 1103, 1003, 1920, 1478, 1403, 1437, 1313, 1282, 1235, 1180, 1115, 1105, 1019, 987 cm ⁻¹
10	Гь-238	mp 75-76 °C; ¹H NMR (CDCl ₃) δ 1.74 (s, 3H), 1.77 (s, 3H), 1.79 (s, 3H), 1.82 (s, 3H), 2.06 (s, 3H), 2.08 (s, 3H), 2.25 (s, 3H), 3.72 (d, J = 6.9Hz, 2H), 4.87 (d, J = 6.9Hz, 2H), 5.35-5.60 (m, 2H), 6.49-6.55 (m, 2H), 6.79-7.08 (m, 4H), 7.60 (dd, J = 2.7, 8.4Hz, 1H), 8.18 (dd, J = 0.9, 2.7Hz, 1H) IR (KBr): 3331, 2965, 2916, 1610, 1522, 1480, 1449, 1393, 1302, 1283, 1251, 1240, 977 cm ⁻¹
15		mp 87-89 °C; ¹H NMR (CDCl ₃) δ 1.79 (s, 3H), 1.82 (s, 3H), 2.27 (m, 3H), 2.30 (s, 3H), 3.82 (d, J = 5.4Hz, 2H), 4.87 (d, J = 6.9Hz, 2H), 5.18-5.36 (m,
20	Ib-239	2H), 5.54-5.60 (m, 1H), 5.93-6.06 (m, 1H), 6.66-6.71 (m, 2H), 6.80 (d, J = 8.7Hz, 1H), 7.10 (s, 1H), 7.15 (s, 1H), 7.17-7.22 (m, 2H), 7.58 (dd, J = 2.4, 8.4Hz, 1H), 8.16(dd, J = 0.6, 2.4Hz, 1H) IR (KBr): 3330, 3007, 2973, 2855, 1610, 1526, 1481, 1470, 1392, 1376, 1354, 1299, 1283, 1266, 1240, 1129, 1019, 988 cm ⁻¹
25	Ib-240	mp 113-114 °C; ¹H NMR (CDCl ₃) δ 1.79 (s. 3H), 1.82 (s. 3H), 2.25-2.27 (m, 4H), 2.29 (s. 3H), 3.99 (d. J = 2.4Hz, 2H), 4.87 (d. J = 5.1Hz, 2H), 5.50-5.60 (m. 1H), 6.73-6.78 (m. 2H), 6.81 (dd. J = 0.6, 8.4Hz, 1H), 7.09 (s. 1H), 7.15 (s. 1H), 7.21-7.25 (m. 2H), 7.59 (dd. J = 2.7, 8.4Hz, 1H), 8.17 (dd. J = 0.6, 2.4Hz, 1H) IR (KBr): 3311, 3271, 2974, 2924, 1609, 1525, 1481, 1392, 1377, 1352, 1320, 1300, 1283, 1265, 1239, 1182, 1121, 987 cm ⁻¹
30	Ib-241	mp 125-126 °C; ¹H NMR (CDCls) & 0.94-1.87 (m, 11H), 1.78 (s, 3H), 1.82 (s, 3H), 2.26 (s, 3H), 2.30 (s, 3H), 3.00 (d, J = 6.6Hz, 2H), 4.87 (d, J = 6.9Hz, 2H), 5.54-5.60 (m, 1H), 6.60-6.67 (m, 2H), 6.81 (d, J = 8.4Hz, 1H), 7.09 (s, 1H), 7.15 (s, 1H), 7.16-7.21 (m, 2H), 7.58 (dd, J = 2.4, 8.4Hz, 1H), 8.17 (dd, J = 0.6, 2.1Hz, 1H) IR (KBr): 3356, 2919, 2851, 1613, 1528, 1482, 1470, 1447, 1395, 1355, 1325, 1299, 1284, 1262, 1241, 1182, 1020, 985 cm ⁻¹
<i>35</i>	Ib-242	mp 173-175 °C; ¹H NMR (CDCl ₃) δ 1.14-1.787 (m, 8H), 1.78 (s, 3H), 1.81 (s, 3H), 2.08-2.12 (m, 2H), 2.27 (s, 3H), 2.30 (s, 3H), 3.26-3.34 (m, 1H), 4.87 (d, J = 7.2Hz, 2H), 5.54-5.60 (m, 1H), 6.62-6.67 (m, 2H), 6.81 (dd, J = 0.6, 8.4Hz, 1H), 7.09 (s, 1H), 7.15 (s, 1H), 7.15-7.19 (m, 2H), 7.58 (dd, J = 2.4,
40		8.7Hz, 1H), 8.16 (dd, J = 0.6, 2.4Hz, 1H) IR (KBr): 3326, 2922, 2852, 1611, 1523, 1482, 1452, 1393, 1354, 1319, 1300, 1282, 1239, 1182, 1125, 983 cm ⁻¹
45	Ib-243	mp 141-142 °C; ¹H NMR (CDCl ₃) δ 1.78 (s, 3H), 1.82 (s, 3H), 2.26 (s, 3H), 2.28 (s, 3H), 4.27 (br s, 1H), 4.43 (br s, 2H), 4.87 (d, J = 7.2Hz, 2H), 5.54-5.60 (m, 1H), 6.63-6.66 (m, 2H), 6.81 (d, J = 8.4Hz, 1H), 7.09 (s, 1H), 7.13 (s, 1H), 7.17-7.20 (m, 2H), 7.33-7.35 (m, 2H), 7.57 (dd, J = 2.1, 8.4Hz, 1H), 8.16 (d, J = 2.4Hz, 1H), 8.57-8.59 (m, 2H) IR (KBr): 3279, 2972, 2925, 1603, 1522, 1479, 1459, 1418, 1375, 1351, 1318, 1282, 1272, 1240, 1179, 1120, 1001. cm ⁻¹

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able 112	
Ib-244	mp 123-125 °C; ¹H NMR (CDCls) 8 1.78 (s, 3H), 1.82 (s, 3H), 2.26 (s, 3H), 2.29 (s, 3H), 4.38 (s, 2H), 4.87 (d, J = 6.9Hz, 2H), 5.54-5.60 (m, 1H), 6.69-6.73 (m, 2H), 6.81 (dd, J = 0.6, 8.4Hz. 1H), 7.09 (s, 1H), 7.14 (s, 1H), 7.17-7.22 (m, 2H), 7.26-7.44 (m, 5H), 7.58 (dd, J = 2.4, 8.4Hz, 1H), 8.16 (d, J = 1.8Hz, 1H) IR (KBr): 3348, 2966, 2921, 1613, 1527, 1482, 1469, 1453, 1394, 1356, 1326, 1297, 1285, 1264, 1241, 1020, 987 cm ⁻¹
Ib-245	mp 137-138 °C; :H NMR (CDCl ₂) & 1.79 (s, 3H), 1.82 (s, 3H), 2.28 (s, 6H), 3.33 (s, 3H), 4.55 (br s, 2H), 4.87 (d, J = 7.2Hz, 2H), 5.54-5.60 (m, 1H), 6.81 (dd, J = 0.6, 8.7Hz, 1H), 7.12-7.14 (m, 2H), 7.35-7.39 (m, 2H), 7.44-7.49 (m, 2H), 7.59 (dd, J = 2.4, 8.4Hz, 1H), 8.17 (dd, J = 0.6, 2.4Hz, 1H), IR (KBr): 3376. 3284, 2972, 2922, 1604, 1480, 1462, 1342, 1281, 1180, 1140, 999 cm ⁻¹
Ib-246	mp 118-120 °C; ¹H NMR (CDCl ₃) & 1.78 (s, 3H), 1.87 (s, 3H), 2.26 (s, 3H), 2.30 (s, 3H), 4.39 (s, 2H), 4.87 (d, J = 7.2Hz, 2H), 5.54-5.60 (m, 1H), 6.70-6.73 (m, 2H), 6.80 (d, J = 8.4Hz, 1H), 7.10-7.14 (m, 3H), 7.15-7.24 (m, 3H), 7.34 (dd. J = 3.0, 5.1Hz, 1H), 7.59 (dd, J = 2.4, 8.4Hz, 1H), 8.17 (d, J = 1.8Hz, 1H) IR (KBr): 3397, 2973, 2920, 2851, 1610, 1522, 1480, 1470, 1376, 1350, 1298, 1280, 1260, 1235, 1182, 1122, 980 cm ⁻¹
Ib-247	mp 112-115 °C; ¹H NMR (CDCl ₃) & 1.79 (s, 3H), 1.82 (s, 3H), 2.27 (s, 3H), 2.30 (s, 3H), 4.22 (s, 2H), 4.87 (d, J = 6.9Hz, 2H), 5.55-5.60 (m, 1H), 6.44-6.45 (m, 1H), 6.70-6.74 (m, 2H), 6.81 (dd, J = 0.9, 8.4Hz, 1H), 7.09 (s, 1H), 7.15 (s, 1H), 7.18-7.23 (m, 1H), 7.41-7.45 (m, 1H), 7.59 (dd, J = 2.4, 8.7Hz, 1H), 8.17 (dd, J = 0.6, 2.4Hz, 1H), IR (KBr): 3338, 2924, 1613, 1526, 1501, 1482, 1471, 1394, 1355, 1317, 1298, 1285, 1241, 1156, 1020, 977 cm ⁻¹
Ib-248	mp 123-125 °C; ¹H NMR (CDCl ₃) δ 1.78 (s, 3H), 1.81 (s, 3H), 2.27 (s, 3H), 2.29 (s, 3H), 2.60 (br s, 3H), 4.87 (d, J = 7.2Hz, 2H), 5.54-5.60 (m, 1H), 6.73-6.77 (m, 2H), 6.81 (d, J = 8.4Hz, 1H), 7.09 (s, 1H), 7.14 (s, 1H), 7.14-7.18 (m, 2H), 7.59 (dd. J = 2.4, 8.4Hz, 1H), 8.17 (d, J = 2.4Hz, 1H), IR (KBr): 3449, 3341, 2972, 2925, 1623, 1604, 1521, 1481, 1394, 1359, 1281, 1241, 1128, 984 cm ⁻¹
Ib-249	mp 70-72 °C; ¹H NMR (CDCl ₃) δ 1.79 (s, 3H), 1.82 (s, 3H), 2.27 (s, 3H), 2.30 (s, 3H), 2.89 (s, 3H), 4.87 (d, J = 7.2Hz, 2H), 5.55-5.60 (m, 1H), 6.66-6.71 (m, 2H), 6.81 (dd, J = 0.9, 8.4Hz, 1H), 7.09 (s, 1H), 7.15 (s, 1H), 7.19-7.23 (m, 2H), 7.59 (dd, J = 2.7, 8.4Hz, 1H), 8.17 (dd, J = 0.6, 2.4Hz, 1H), IR (KBr): 3356, 2923, 2883, 1614, 1603, 1529, 1482, 1393, 1357, 1320, 1298, 1282, 1264, 1241, 1182, 981 cm ⁻¹
Ib-250	mp 87-88 °C; ¹H NMR (CDCl ₃) δ 1.74 (s, 3H), 1.78 (s. 3H), 1.79 (s, 3H), 1.80 (s. 3H), 2.22 (s. 3H), 2.26 (s. 3H), 3.71 (d. J = 6.9Hz, 2H), 4.87 (d. J = 7.2Hz, 2H), 5.32-5.37 (m. 1H), 5.55-5.60 (m. 1H), 6.35-6.47 (m. 2H), 6.81 (dd. J = 0.6, 8.4Hz, 1H), 7.02-7.13 (m. 3H), 7.59 (dd. J = 2.4, 8.4Hz, 1H), 8.16 (dd. J = 0.9, 5.7Hz, 1H), IR (Nujol): 3330, 2923, 2853, 1627, 1606, 1564, 1527, 1481, 1471, 1395, 1376, 1357, 1337, 1284, 1240, 1178, 1116, 990 cm ⁻¹

Table 113

-		TO (CD CI) 2 1 55 (21D 1 50 (CT) 1 90 (21D
5	Ib-251	mp 102-103 °C; ¹H NMR (CDCls) & 1.75 (s, 3H), 1.79 (s, 6H), 1.82 (s, 3H), 2.19 (s, 3H), 2.27 (s, 3H), 2.31 (s, 3H), 3.49 (br s, 1H), 3.78 (d, J = 6.9Hz, 2H), 4.87 (d, J = 6.9Hz, 2H), 5.42 (t, J = 6.9Hz, 1H), 5.57 (t, J = 7.2Hz, 1H), 6.68 (d, J = 8.1Hz, 1H), 6.80 (d, J = 8.4Hz, 1H), 7.09 (s, 2H), 7.13-7.17 (m, 2H), 7.59 (dd, J = 2.7, 8.4Hz, 1H), 8.17 (d, J = 2.4Hz, 1H);
10		IR (KBr):3363, 2969, 2918, 2884, 2854, 1609, 1601, 1517, 1482, 1468, 1442, 1378, 1283, 1250, 981, 891cm ⁻¹ .
. 15	Ib-252	mp 109-110 °C: ¹H NMR (CDCl ₃) δ 1.79 (s, 3H), 1.82 (s, 3H), 2.23 (s, 3H), 2.27 (s, 3H), 2.30 (s, 3H), 3.85 (br s, 1H), 4.42 (s, 2H), 4.87 (d, $J = 7.2$ Hz, 2H), 5.57 (t, $J = 6.6$ Hz, 1H), 6.69 (d, $J = 8.1$ Hz, 1H), 7.09-7.15 (m, 4H), 7.31-7.44 (m, 5H), 7.59 (dd, $J = 2.4$, 8.7Hz, 1H), 8.17 (d, $J = 1.5$ Hz, 1H); IR (KBr): 3431, 3351, 2970, 2919, 2854, 1602, 1517, 1483, 1466, 1451, 1377, 1285, 1250, 1132, 975, 836 cm ⁻¹ .
20	Іь-253	mp 72-73 °C; ¹H NMR (CDCl ₃) δ 1.75 (s, 3H), 1.79 (s, 6H), 1.82 (s, 3H), 2.27 (s, 3H), 2.30 (s. 3H), 3.77 (d, $J = 6.9$ Hz, 2H), 3.92 (br s, 1H), 4.87 (d, $J = 7.2$ Hz, 2H), 5.38 (t, $J = 6.9$ Hz, 1H), 5.57 (t. $J = 6.9$ Hz, 1H), 6.74 (dd, $J = 8.1$, 8.7Hz, 1H), 6.81 (dd, $J = 0.9$, 6.3Hz, 1H), 6.99-7.00 (m, 1H), 7.00 (s, 1H), 7.03 (s, 1H), 7.14 (s, 1H), 7.58 (dd, $J = 2.7$, 8.7Hz, 1H), 8.16 (d, $J = 2.7$ Hz, 1H); IR (KBr): 3431, 2971, 2915, 1624, 1599, 1528, 1479, 1465, 1335, 1241, 1122, 987, 833 cm ⁻¹ .
25	Љ-254	mp 106-107 °C; ¹H NMR (CDCl₃) δ 1.79 (s, 3H), 1.82 (s, 3H), 2.26 (s, 3H), 2.29 (s, 3H), 4.42 (s, 2H), 3.85 (br s, 1H), 4.87 (d, J = 7.2Hz, 2H), 5.57 (t, J = 7.2Hz, 1H), 6.73 (dd, J = 8.7, 8.7Hz, 1H), 6.81 (d, J = 8.4Hz, 1H), 6.96-6.99 (m, 1H), 7.03 (d, J = 12.9Hz, 1H), 7.10 (d, J = 9.9Hz, 2H), 7.26-7.43 (m, 5H), 7.58 (dd, J = 2.4, 8.4Hz, 1H), 8.16 (d, J = 1.8Hz, 1H); IR (KBr): 3428, 2922, 2857, 1623, 1601, 1566, 1500, 1427, 1391, 1376, 1308, 1298, 1149, 1134, 1074, 1038, 1018, 927, 895 cm·¹.
35	Ib-255	mp 83-84 °C; ¹H NMR (CDCl ₃) δ 1.75 (s. 3H), 1.79 (s. 6H), 1.82 (s. 3H), 2.27 (s. 3H), 2.30 (s. 3H), 3.79 (d. $J = 6.3$ Hz. 2H), 4.29 (br s. 1H), 4.87 (d. $J = 7.2$ Hz, 2H), 5.39 (t. $J = 6.6$ Hz, 1H), 5.57 (t. $J = 7.2$ Hz, 1H), 6.71 (d. $J = 8.7$ Hz, 1H), 6.81 (d. $J = 8.1$ Hz, 1H), 7.10 (s. 1H), 7.13 (s. 1H). 7.16 (dd. $J = 2.1$, 8.4Hz, 1H), 7.27 (dd. $J = 2.1$, 7.5Hz, 1H), 7.58 (dd. $J = 2.7$, 8.7Hz, 1H), 8.16 (d. $J = 1.8$ Hz, 1H); IR (KBr): 3420, 3356, 2968, 2924, 1603, 1520, 1482. 1468, 1284, 1248, 1078, 981, 838 cm ⁻¹ .
40	Ib-256	mp 89-90 °C; ¹H NMR (CDCl ₃) δ 1.79 (s, 3H), 1.82 (s, 3H), 2.26 (s, 3H), 2.29 (s, 3H), 4.46 (s, 2H), 4.79 (br s, 1H), 4.87 (d, J = 6.9Hz, 2H), 5.57 (t, J = 7.2Hz, 1H), 6.69 (d, J = 8.1Hz, 1H), 6.81 (d, J = 8.7Hz, 1H), 7.09-7.13 (m, 3H), 7.31-7.43 (m, 6H), 7.58 (dd, J = 2.7, 8.7Hz, 1H), 8.16 (d, J = 2.4Hz, 1H); IR (KBr): 3422, 3340, 2975, 2923, 1604, 1520, 1482, 1455, 1286, 1248, 975, 887 cm ⁻¹ .
45	Ib-257	mp 62-63 °C; 'H NMR (CDCl ₃) δ 1.74 (s, 3H), 1.78 (s, 3H), 1.79 (s, 3H), 1.82 (s, 3H), 2.28 (s, 3H). 2.32 (s, 3H), 3.76 (d, J = 6.6Hz, 2H). 3.86 (s, 3H), 4.27 (br s, 1H), 4.87 (d, J = 6.9Hz, 2H), 5.41 (t, J = 6.6Hz, 1H), 5.58 (t, J = 6.9Hz, 1H), 6.67 (d, J = 8.1Hz, 1H), 6.78-6.79 (m, 2H), 6.88 (dd, J = 1.8.8.1Hz, 1H), 7.11 (s, 1H), 7.18 (s, 1H), 7.59 (dd, J = 2.4, 8.4Hz, 1H), 8.17 (d, J = 1.8Hz, 1H); IR (KBr): 3437, 2880, 2856, 1560, 1416, 1378, 1306, 1176, 1075, 1017, 948, 898, 883 cm ⁻¹ .

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Ib-258	mp 86-87 °C; ¹H NMR (CDCls) δ 1.79 (s, 3H), 1.82 (s, 3H), 2.27 (s, 3H), 3.31 (s, 3H), 3.87 (s, 3H), 4.40 (s, 2H), 4.67 (br s, 1H), 4.87 (d, J = 6.9Hz, 2H), 5.57 (t, J = 7.2Hz, 1H), 6.65 (d, J = 7.8Hz, 1H), 6.79-6.86 (m, 3H), 7.10 (s, 1H), 7.17 (s, 1H), 7.31-7.44 (m, 5H), 7.59 (dd, J = 2.4, 8.7Hz, 1H), 8.17 (d, J = 2.4Hz, 1H); IR (KBr): 3426, 2948, 2914, 2857, 1600, 1561, 1525, 1415, 1304, 1177, 1018, 948, 900, 883 cm ⁻¹ .
Ib-259	mp 108-109 °C; ¹H NMR (CDCl ₃) δ 1.74 (s, 3H), 1.77 (s, 3H), 1.79 (s, 3H), 1.82 (s, 3H), 2.27 (s, 3H), 2.31 (s, 3H), 3.66 (br s, 1H), 3.74 (d. J = 6.8 Hz, 2H), 4.87 (d. J = 7.1 Hz, 2H), 5.38 (br t. J = 6.8 Hz, 1H), 5.58 (br t. J = 7.1 Hz, 1H), 6.67 (d. J = 8.5 Hz, 2H), 6.81 (dd. J = 0.7, 8.6 Hz, 1H), 7.10 (s, 1H), 7.15 (s, 1H), 7.20 (d. J = 8.5 Hz, 2H), 7.59 (dd. J = 2.4, 8.6 Hz, 1H)8.17 (dd. J = 0.7, 2.4 Hz, 1H)
Ib-260	mp 74-75 °C; ¹H NMR (CDCl ₃) δ 1.72 (s, 3H), 1.77 (s, 3H), 1.81(s, 6H), 2.29 (s, 3H), 2.31 (s, 3H), 3.76 (d, 2H, J=6.9Hz), 5.07 (d, J=7.2Hz, 2H), 5.39 (m, 1H), 5.58 (m, 1H), 6.77 (d, J=7.8Hz, 2H), 7.11-7.23 (m, 5H),8.26 (d, J=2.1Hz, 1H), 8.40 (d, J=2.1Hz, 2H); IR (CHCl ₃): 3426, 2975, 2918, 2862, 1612, 1556, 1528, 1498, 1471, 1379, 1354, 1299, 1241, 12256, 1185, 1091, 970, 947cm ⁻¹
Ib-261	¹ H NMR (DMSO) δ 1.73 (s. 3H), 1.76 (s, 3H), 2.22 (s, 3H), 2.23 (s, 3H), 4.82 (d. J=6.9Hz, 2H), 5.50 (t, J=6.9Hz 1H), 6.86 (d., J=8.4Hz, 1H), 6.96-7.05 (m. 2H), 7.11-7.17 (m. 3H), 7.72 (dd. J= 2.7, 8.7Hz, 1H), 8.15 (d. J=2.7Hz, 1H), 9.94 (brs, 1H); IR (neat): 3350, 2964, 1601, 1520, 1480, 1377, 1355, 1283, 1241, 1113, 979, 755 cm ⁻¹
Ib-262	mp 96 °C ¹H NMR (DMSO) δ 1.74 (s, 6H), 1.76 (s, 3H), 1.77 (s, 3H), 2.22 (s, 3H), 2.34 (s, 3H), 4.65 (d, J=6.9Hz, 2H), 4.82 (d, J=6.6Hz, 2H), 5.44-5.54 (m, 2H), 7.10-7.18 (m, 3H), 7.21-7.27(m,2H), 7.73(dd, J=2.4, 8.4Hz, 1H), 8.15 (d, J=2.4Hz, 1H), ; IR (nujol): 1600, 1517, 1280, 1269, 1127, 995, 836 cm-¹
Ib-263	mp 78-79 °C ¹H NMR (CD ₃ OD) δ 1.79 (s, 3H), 1.80 (s, 3H), 2.42 (s, 6H), 3.92 (s, 3H), 4.83 (d, J=7.0Hz, 2H), 5.50-5.56 (m, 1H), 6.84 (dd, J=0.6, 8.7Hz, 1H), 7.05-7.18 (m, 5H), 7.67 (dd, J=2.7, 8.7Hz, 1H), 8.07 (dd, J=2.7, 0.6Hz, 1H), ; IR (nujol): 1600, 1577, 1280, 1270, 1127, 983, 838 cm ⁻¹
Ib-264	mp 80-81 °C ¹H NMR (CDCl ₃) δ 1.79 (s, 3H), 1.82 (s, 3H), 2.72 (s, 6H), 4.88 (d, J=7.2Hz, 2H), 5.13 (s, 2H), 5.55-5.60(m, 1H), 6.40 (dd, J=1.5, 3.6Hz, 1H), 6.48 (d, J=3.6Hz, 1H), 6.82 (d, J=8.4Hz, 1H), 7.02-7.06 (m, 1H), 7.08-7.16 (m, 4H), 7.47-7.48 (m, 1H), 7.58 (dd, J=2.7, 8.4 Hz, 1H) 8.16 (d, J=2.7 Hz, 1H) : IR (nujol): 1601, 1518, 1281, 1125, 984, 834 cm ⁻¹
Ib-265	mp 105 °C ¹H NMR (CDCl₃) δ 1.79 (s, 3H), 1.82 (s, 3H), 2.27 (s, 6H), 4.88 (d, J=7.2Hz, 2H), 5.20 (s, 2H), 5.50-5.60(m, 1H), 6.81 (d, J=8.4Hz, 1H), 7.00-7.15 (m, 5H), 7.32-7.50 (m, 5H), 7.58 (dd, J=2.4, 8.4 Hz, 1H) 8.16 (d, J=2.4 Hz, 1H) : IR (nujol): 1602, 1299, 1276, 1128, 974, 749 cm ⁻¹
Ib-266	mp 188-190 °C; ¹H NMR (CDCl ₃) δ 1.79 (s, 3H), 1.82 (s, 3H), 2.27 (s, 3H), 2.29 (s, 3H), 4.88 (d, $J = 7.1$ Hz, 2H), 4.89 (s, 2H), 5.58 (t, $J = 7.1$ Hz, 2H), 6.83 (dd, $J = 8.4$, 0.6 Hz, 1H), 7.13 (s, 1H), 7.15 (s, 1H), 7.50-7.55 (m, 2H), 7.59 (dd, $J = 8.4$, 2.4 Hz, 1H), 7.97-8.02 (m, 2H), 8.16 (dd, $J = 2.4$, 0.6 Hz, 1H); IR (KBr): 3367, 3321, 3271, 1602, 1479, 1333, 1281, 1163, 1153, 995; 980, 785, 607, 553 cm ⁻¹

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ſ		mp 176-178 °C; ¹H NMR (CDCL) δ 1.79 (s, 3H), 1.82 (s, 3H), 2.19 (s, 3H),
		2.28 (s, 3H), 4.88 (d, $J = 6.9$ Hz, 2H), 4.96 (s, 2H), 5.57 (t, $J = 7.1$ Hz, 2H),
Í		6.82 (dd, J = 8.4, 0.6 Hz, 1H), 7.11 (s, 1H), 7,15 (s, 1H), 7.47 (t, J = 8.1 Hz,
	Ib-267	1H), 7.59 (dd, $J = 8.4$, 2.6 Hz, 1H), 7.74 (dd, $J = 9.0$, 1.8 Hz, 1H), 7.80 (dd, J
		= 8.1, 1.8 Hz, 1H), 8.16 (dd. $J = 2.6$, 0.6 Hz, 1H); IR (KBr): 3352, 3261,
		1603. 1479, 1317. 1152. 993, 831, 777, 600 cm ⁻¹
		oil; ¹ H NMR (CDCl ₃) δ 1.74 (s, 3H), 1.78 (s, 3H), 1.80 (s, 3H), 1.81 (s, 3H),
		2.05 (s, 3H), 2.19 (s, 3H), 2.26 (s, 3H), 3.72 (d, $J = 6.6$ Hz, 2H), 3.77 (br s,
	Ib-268	1H), 4.85 (m, 2H), 5.35 (m, 1H), 5.56 (m, 1H), 6.34 (dd, $J = 2.1$, 9.3 Hz, 1H),
	10-200	6.45 (dd, J = 2.1, 8.4 Hz, 1H), 6.61 (d, J = 8.4 Hz, 1H), 6.97 (s, 1H), 7.07 (t, J)
		= 8.4 Hz, 1H), 7.34 (d. J = 8.4 Hz, 1H)
		oil; ¹ H NMR (CDCl ₃) δ 1.74 (s, 3H), 1.78 (s, 6H), 1.82 (s, 3H), 2.21 (s, 3H),
		2.25 (s, 3H), 2.27 (s, 3H), $3.71(d, J = 6.6 \text{ Hz}, 2H)$, $4.89 (d, J = 6.6 \text{ Hz}, 2H)$,
	Ib-269	5.35 (br t, $J = 6.6$ Hz, 1H), 5.57 (br t, $J = 6.6$ Hz, 1H), 6.39 (dd, $J = 2.1$, 12.6
	10-200	Hz, 1H), 6.45 (dd, $J = 2.1$, 8.4 Hz, 1H), 7.06 (t, $J = 8.4$ Hz, 1H), 7.10 (s, 1H),
		7.12 (s. 1H), 7.41 (d. $J = 2.4$ Hz. 1H), 8.01 (d, $J = 2.4$ Hz, 1H)
		oil 1H NMR (CDCl ₃) & 1.74 (s, 3H), 1.78 (s, 6H), 1.82 (s, 3H), 2.05 (s, 3H),
		$\{2.07 \text{ (s. 3H)}, 2.20 \text{ (s. 3H)}, 3.72 \text{ (d. J} = 6.6\text{Hz}, 2\text{H)}, 3.85 \text{ (br. 1H)}, 4.85 \text{ (d. J} = \}$
	Ib-270	7.8Hz, 2H), 5.36 (m, 1H), 5.56 (m, 1H), 6.39 (dd. $J = 2.4$, 12.3 Hz, 1H), 6.45
		(dd, J = 2.4, 8.1 Hz, 1H), 6.68(s, 1H), 6.97(s, 1H), 7.07(t, J = 8.4 Hz, 1H),
		7.10 (s. 1H), 7.93 (s. 1H)
		oil 1H NMR (CDCla) & 1.78 (s. 3H), 1.81 (s. 3H), 2.20 (s. 3H), 2.25 (s. 3H),
		$\{2.27 (s, 3H), 4.90 (d, J = 6.6 Hz, 2H), 5.58 (br t, J = 6.9 Hz, 1H), 6.47 (dd, J)\}$
	Ib-271	l = 2.1, 11.4 Hz, 1H, 6.53 (dd, J = 2.1, 8.1 Hz, 1H), 7.05 (t, J = 8.1 Hz, 1H),
		7.10 (s. 1H), $7.11 (s. 1H)$, $7.41 (d. J = 2.1 Hz. 1H)$, $8.01 (d. J = 2.1 Hz. 1H)$
		oil; ¹ H NMR (CDCl ₃) δ 1.78 (s, 3H), 1.82 (s, 3H), 2.05 (s, 3H), 2.07 (s, 3H),
	Ib-272	2.19 (s, 3H), 3.85 (br s, 2H), 4.85 (d, J = 6.9Hz, 2H), 5.56 (m, 1H), 6.48 (dd,
	10-212	J = 2.1, 11.7 Hz, 1H), 6.53 (dd, $J = 2.1$, 8.4 Hz, 1H), 6.68 (s, 1H), 6.98 (s,
	i	1H), 7.07 (t, J = 8.4 Hz, 1H), 7.10 (s, 1H), 7.92 (s, 1H)
		oil; ¹ H NMR (CDCl ₃) & 1.74 (s, 3H), 1.77 (s, 3H), 1.805 (s, 3H), 1.810 (s,
	Ib-273	3H), 2.06 (s, 3H), 2.26 (s, 3H), 2.28 (s, 3H), 3.74 (d, J = 6.6 Hz, 2H), 4.83-
	10-270	4.87 (m, 2H), 5.38 (m, 1H), 5.56 (m, 1H), 6.61 (d, J = 8.4 Hz, 1H), 6.68 (d, J
		= 9.0 Hz, 2H), 6.96 (s, 1H), 7.21 (d. $J = 9.0 Hz$, 2H), 7.34 (d. $J = 8.4 Hz$, 1H)
	(oil; ¹ H NMR (CDCl ₃) δ 1.74 (s, 3H), 1.77 (s, 3H), 1.78 (s, 3H), 1.81 (s, 3H),
	Ib-274	2.25 (s, 3H), 2.27 (s, 3H), 2.30 (s, 3H), 3.74 (d, J = 6.6 Hz, 2H), 4.89 (d, J =
	10 2.1	6.9 Hz, 2H), 5.38 (m, 1H), 5.58 (m, 1H), 6.68 (d, J = 8.7 Hz, 2H), 7.09 (s,
		1H), 7.15 (s. 1H), 7.20 (d, J = 8.7 Hz, 2H), 7.41 (m. 1H), 8.01 (m. 1H)
		oil; 1H NMR (CDCl3) ô 1.74 (s, 3H), 1.78 (s, 6H), 1.81 (s, 3H), 2.05 (s, 3H),
	Ib-275	2.07 (s, 3H), 2.28 (s, 3H), 3.74 (d, $J = 6.9$ Hz, 2H), 4.85 (d, $J = 7.5$ Hz, 2H).
		5.38 (m, 1H), 5.56 (m, 1H), 6.67-6.71 (m, 3H), 6.96 (s, 1H), 7.12 (s, 1H), 7.21
		(d. J = 8.7 Hz, 1H), 7.92 (s. 1H)
		oil; 1H NMR (CDCl ₃) δ 1.75 (s, 3H), 1.81 (s, 3H), 2.05 (s, 3H), 2.06 (s, 3H),
	Ib-276	2.26 (s, 3H), 3.75 (br, 2H), 4.84-4.87 (m, 2H), 5.57 (m, 1H), 6.62 (d, J = 8.1 Hz, 1H), 6.74-6.77 (m, 3H), 6.96 (s, 1H), 7.11 (s, 1H), 7.17-7.20 (m, 2H),
		7.34 (d. J = 8.1 Hz. 1H)

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Ib-277	oil; ¹ H NMR (CDCl ₃) δ 1.78 (s, 3H), 1.81 (s, 3H), 2.25 (s, 3H), 2.27 (s, 3H), 2.28 (s, 3H), 4.90 (d, $J = 6.8$ Hz, 2H), 5.58 (m, 1H), 6.73-6.78 (m, 2H), 7.08-7.41 (m, 5H). 8.00 (d, $J = 2.2$ Hz, 1H)
Ib-278	oil; ¹ H NMR (CDCl ₃) δ 1.78 (s, 3H), 1.82 (s, 3H), 2.05 (s, 3H), 2.08 (s, 3H), 2.27 (s, 3H), 4.85 (d, J = 8.1 Hz, 2H), 5.57 (m, 1H), 6.68 (s, 1H), 6.75-6.78 (m. 2H), 6.97 (s. 1H), 7.12 (s. 1H), 7.17-7.21 (m. 2H), 7.92 (s, 1H)
Ib-279	mp 102-103 °C; ¹H NMR (CDCl ₃) δ 1.74 (s, 3H), 1.77 (s, 3H), 2.26 (s, 3H), 2.31 (s, 3H), 3.74 (d, J = 6.9Hz, 2H), 4.56-4.60 (m, 1H), 4.66-4.73 (m, 2H), 4.86-4.89 (m, 1H), 5.35-5.40 (m, 1H), 6.65-6.70 (m, 2H), 6.86 (d, J = 8.4Hz, 1H), 7.09 (s, 1H), 7.16 (s, 1H), 7.18-7.22 (m, 2H), 7.62 (dd, J = 2.4, 8.7Hz, 1H), 8.13-8.14 (m, 1H) IR (KBr): 3356, 2983, 2925, 1611, 1526, 1482, 1452, 1391, 1348, 1307, 1289, 1263, 1242, 1073, 1020 cm ⁻¹
Ib-280	mp 81-82 °C; ¹H NMR (CDCl ₃) δ 2.27 (s, 3H), 2.30 (s, 3H), 3.82-3.84 (m, 2H), 4.88-4.91 (m, 2H), 5.18-5.47 (m, 4H), 5.93-6.21 (m, 2H), 6.67-6.71 (m, 2H), 6.83 (d, J = 8.4Hz, 1H), 7.09 (s, 1H), 7.15 (s. 1H), 7.17-7.22 (m, 2H), 7.61 (dd, J = 2.4, 7.2Hz, 1H), 8.16 (dd, J = 0.9, 2.4Hz, 1H) IR (KBr): 3342, 3007, 2921, 1609, 1524, 1482, 1391, 1314, 1279, 1182, 1020, 996 cm ⁻¹
Ib-281	mp 142-144 °C; ¹H NMR (CDCls) δ 2.20-2.27 (m, 4H), 2.29 (s, 3H), 2.50 (s, 1H), 3.99 (d, J = 2.4Hz, 1H), 5.04 (d, J = 2.7Hz, 1H), 6.73-6.78 (m, 2H), 6.87 (dd, J = 2.4, 8.7Hz, 1H), 7.10 (s, 1H), 7.16 (s. 1H), 7.21-7.26 (m, 2H), 7.63 (dd, J = 2.4, 8.7Hz, 1H), 8.18 (dd, J = 0.9, 2.4Hz, 1H) IR (KBr): 3360, 3292, 3266, 3005, 1608, 1523, 1479, 1438, 1391, 1299, 1280, 1265, 1233, 1022, 1010 cm ⁻¹
Ib-282	mp 65-68 °C; ¹H NMR (CDCl ₃) δ 1.58 (s, 3H), 1.70 (s, 3H), 1.73 (s, 3H). 1.78 (s, 3H), 2.23 (s, 3H), 2.26 (s, 3H), 2.43-2.50 (m, 2H), 2.87 (t, $J = 7.5$ Hz, 2H), 3.71 (d, $J = 6.9$ Hz, 2H), 3.79 (br s, 1H), 5.20-5.36 (m, 2H), 6.36-6.47 (m, 2H), 7.06 (t, $J = 8.4$ Hz, 1H), 7.12 (s, 1H), 7.14 (s, 1H), 7.19 (d, $J = 7.8$ Hz, 1H), 7.60 (dd, $J = 2.1$, 7.8Hz, 1H), 8.55 (d, $J = 1.8$ Hz, 1H) IR (KBr): 3427, 3274, 2965, 2913, 2854, 1629, 1536, 1480, 1443, 1421, 1375, 1343, 1305, 1276, 1245, 1173, 1115, 1023 cm-1
Ib-283	mp 112-113 °C; ¹H NMR (CDCl ₃) δ 1.69 (s, 3H), 1.70 (s, 3H), 1.73 (s, 3H), 1.77 (s, 3H), 2.22 (s, 3H), 2.23 (s, 3H), 3.83-3.88 (m, 2H), 4.64 (d, $J = 7.2$ Hz, 2H), 5.28-5.33 (m, 1H), 5.46-5.51 (m, 1H), 6.50-6.61 (m, 2H), 7.07-7.11 (m, 3H), 7.19-7.26 (m, 2H), 7.40 (dd, $J = 2.7$, 8.7Hz, 1H), 7.97 (d, $J = 2.4$ Hz, 1H), IR (KBr): 3222, 2971, 2922, 2858, 1605, 1536, 1493, 1468, 1428, 1396, 1318, 1297, 1272, 1262, 1229, 1194, 1125, 1090, 996 cm-1
Ib-284	mp 141-143°C; ¹H NMR (CDCl ₃) δ 1.74 (s, 3H), 1.77 (s, 6H), 1.82 (s, 3H), 2.28 (s, 3H), 2.29 (s, 3H), 3.85-3.95 (m, 2H), 4.56 (d, J = 6.6Hz, 2H), 5.36 (m, 1H), 5.54 (tm, J = 6.6Hz, 1H), 6.45 (m, 1H), 6.97 (d, J = 8.7Hz, 2H), 7.11 (s, 1H), 7.14 (s, 1H), 7.28 (d, J = 8.7Hz, 2H), 7.47 (m, 1H), 8.13 (m, 1H); IR (KBr) 3433, 3220, 1610, 1536, 1492, 1233, 1176, 998, 844 cm ⁻¹ .
Ib-285	mp 113-114 °C; ¹H NMR (DMSO-d6) δ 1.73 (s, 3H), 1.77 (s, 3H), 2.22 (s, 6H), 4.64 (d, $J = 6.9$ Hz, 2H), 5.46-5.50 (m, 1H), 5.98 (s, 2H), 6.51 (d, $J = 8.4$ Hz, 1H), 7.07-7.11 (m, 3H), 7.19-7.26 (m, 2H), 7.41 (dd, $J = 2.7$, 8.4Hz, 1H), 7.90 (d, $J = 2.7$ Hz, 1H), IR (KBr): 3456, 3292, 3173, 2917, 1631, 1617, 1521, 1485, 1442, 1395, 1378, 1298, 1268, 1232, 1193, 1126, 1004 cm ⁻¹

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5	Ib-286	mp 134·136°C; ¹ H NMR (CDCl ₃) δ 1.77 (s, 3H), 1.82 (s, 3H), 2.28 (s, 6H), 4.56 (d, J = 6.6Hz, 2H), 5.54 (tm, J = 6.6Hz, 1H), 6.58 (m, 1H), 6.98 (d, J = 9.0Hz, 2H), 7.10 (s, 1H), 7.14 (s, 1H), 7.28 (d, J = 9.0Hz, 2H), 7.48 (m, 1H), 8.10 (m, 1H); IR (KBr) 3458, 3300, 3176, 1630, 1614, 1519, 1485, 1238, 1003. 837 cm ⁻¹ .
10	Ib-287	mp $187-189^{\circ}$ C; ¹ H NMR (CDCl ₃) δ $1.15-1.54$ (m, 4H), $1.58-1.86$ (m, 4H), 1.77 (s, 3H), 1.82 (s, 3H), $2.02-2.15$ (m, 2H), 2.28 (s, 3H), 2.29 (s, 3H), 3.58 (m, 1H), 4.56 (d, $J = 6.9$ Hz, 2H), 5.54 (tm, $J = 6.9$ Hz, 1H), 5.54 (m, 1H), 6.44 (m, 1H), 6.97 (d. $J = 8.7$ Hz, 2H), 7.10 (s, 1H), 7.13 (s, 1H), 7.28 (d, $J = 8.7$ Hz, 2H), 7.45 (m, 1H), 8.10 (m, 1H); IR (KBr) 3334 , 1612 , 1519 , 1488 , 1231 , 1006 . 833 cm ⁻¹ .
15	Ib-288	mp 89-90 °C; ¹H NMR (CDCl ₃) δ 1.74 (s, 3H), 1.78 (s, 3H), 2.22 (s, 3H), 2.26 (s, 3H), 3.71 (d, J = 6.9Hz, 2H), 5.32-5.36 (m, 1H), 5.38 (s, 2H), 6.36-6.49 (m, 4H), 6.84 (dd, J = 0.6, 8.4Hz, 1H), 7.06 (t, J = 8.1Hz, 1H), 7.11 (s, 1H), 7.13 (s, 1H), 7.46-7.48 (m, 1H), 7.61 (dd, J = 2.4, 8.4Hz, 1H), 8.18 (dd, J = 0.9, 2.4Hz, 1H) IR (KBr): 3423, 2963, 2926, 2860, 1627, 1604, 1523, 1480, 1448, 1393, 1378, 1343, 1282, 1269, 1240, 1169, 1150, 1117, 1014, 1000 cm ⁻¹
25	Ib-289	mp oil °C; 'H NMR (CDCl ₃) & 1.74 (s, 3H), 1.77 (s, 3H), 1.90 (t. $J = 2.1Hz$, 3H), 2.22 (s, 3H), 2.26 (s, 3H), 3.71 (d, $J = 6.9Hz$, 2H), 4.99-5.01 (m, 2H), 5.33-5.37 (m, 1H), 6.37-6.47 (m, 2H), 6.86 (d, $J = 8.4Hz$. 1H), 7.03-7.13 (m, 3H), 7.61 (dd, $J = 2.4$, 8.4Hz. 1H). 8.17 (d, $J = 2.1Hz$. 1H)
30	Ib-290	mp 104-105 °C; ¹H NMR (CDCls) δ 1.74 (s. 3H), 1.78 (s. 3H), 2.24 (s. 3H), 2.29 (s. 3H), 3.72(d, J = 6.9Hz, 2H), 5.33-5.36 (m. 1H), 6.37-6.78 (m. 4H), 7.06 (t. J = 8.4Hz, 1H), 7.14 (s. 1H), 7.16 (s. 1H), 7.38 (d. J = 8.4Hz, 1H), 7.56 (t. J = 2.4Hz, 1H), 7.77 (dd, J = 2.1, 8.1Hz, 1H), 8.45 (dd, J = 0.6, 2.4Hz, 1H) IR (KBr): 3396, 2976, 2929, 2855, 1626, 1596, 1573, 1523, 1482, 1378, 1367, 1335, 1130, 1065 cm ⁻¹
35	Ib-291	mp 119-120 °C; ¹H NMR (CDCl3) δ 1.73 (s, 3H), 1.77 (s, 3H), 2.01-2.06 (m, 4H), 2.21 (s, 3H), 2.29 (s, 3H), 3.49-3.54 (m, 4H), 3.71 (d, $J = 6.6$ Hz, 2H), 5.33-5.36 (m, 1H), 6.35-6.46 (m, 3H), 7.06 (t, $J = 8.4$ Hz, 1H), 7.10 (s, 2H), 7.48 (dd, $J = 2.7$, 9.0Hz, 1H), 8.20 (d, $J = 2.1$ Hz, 1H) IR (KBr): 3438, 2957, 2914, 2855, 1628, 1602, 1540, 1525, 1490, 1457, 1416, 1341, 1306, 1235, 1168, 1115 cm ⁻¹ .
40	Ib-292	Oil; ¹ H NMR (CDCl ₃) & 1.78 (s, 3H), 1.82 (s, 3H), 2.27 (s. 3H), 2.30 (s, 3H), 4.56 (d, J = 6.9Hz, 2H), 5.55 (tm, J = 6.9Hz, 1H), 6.99 (d, J = 8.7Hz, 2H), 7.13 (s, 1H), 7.17 (s. 1H), 7.29 (d, J = 8.7Hz, 2H), 7.37 (m, 1H), 7.45 (m, H), 8.56-8.70 (m, 2H); IR (CHCl ₃) 1672, 1607, 1514, 1494, 1471, 1450, 1383, 1234, 1230, 1174, 998, 978 cm ⁻¹ .
45	Ib-293	mp 114-115 °C; ¹H NMR (CDCls) δ 1.73 (s, 3H), 1.77 (s, 3H), 2.26 (s, 3H), 2.31 (s, 3H), 3.74 (d, J = 6.9Hz, 2H), 3.99 (s, 3H), 5.35-5.44 (m, 1H), 6.65-6.70 (m. 2H), 6.81 (d, J = 8.4Hz, 1H), 7.10 (s, 1H), 7.16 (s, 1H), 7.17-7.22 (m, 2H), 7.60 (dd, J = 2.4, 8.4Hz, 1H), 8.18 (d, J = 2.1Hz, 1H) IR (KBr): 3333, 3006, 2968, 1612, 1524, 1483, 1387, 1367, 1319, 1300, 1288, 1240, 1024 cm ⁻¹
50	Ib-294	mp 75-76 °C: 'H NMR (CDCl ₃) & 1.73 (s, 3H), 1.77 (s, 3H), 2.28(s, 3H), 2.31 (s, 3H), 3.76 (d, J=6.9Hz,2H), 4.17 (s, 2H), 5.39 (m, 1H), 6.75 (d, J=8.4Hz, 2H), 7.10-7.22 (m, 4H), 8.29 (d, J=2.4Hz, 1H), 8.42 (d, J=2.4Hz, 1H); IR (CHCl ₃): 3426, 2923, 2868, 1613, 1557, 1530, 1499, 1478, 1427, 1381, 1353, 1301, 1245, 1093, 1007, 956, 929, 894 cm ⁻¹

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	b-295	mp 88-89 °C ¹H NMR (CDCl ₃) δ 1.77 (s, 3H), 1.82 (s, 3H), 2.28 (s, 6H), 4.64 (d. J=6.9Hz, 2H), 5.44 (s, 2H), 5.53-5.58(m, 1H), 6.89 (dd, J=0.6, 8.7Hz, 1H), 7.00-7.14 (m, 5H), 7.32-7.44 (m, 3H), 7.49-7.53 (m, 2H), 7.62 (dd, J=2.7, 8.7 Hz, 1H) 8.19 (dd, J= 0.6, 2.7 Hz, 1H); IR (nujol): 1602, 1285, 1129. 988. 836 cm ⁻¹ .
I	b-296	mp 110 °C ¹H NMR (CDCl ₃) δ 1.77 (s, 3H), 1.81 (s, 3H), 2.27 (s, 6H), 2.28 (s, 3H), 4.01 (s, 3H), 4.64 (d, J=6.9Hz, 2H), 5.53-5.58 (m, 1H), 6.82 (d, J=8.4Hz, 1H), 7.00-7.26 (m, 5H), 7.60 (dd, J=2.4, 8.4Hz, 1H), 8.18 (d, J=2.4 Hz, 1H), ; IR (nujol): 1598, 1283, 1273, 1124, 992, 838 cm·¹
·	b-297	mp 201-204 °C: 'H NMR (CDCl ₃) δ 1.80 (s, 3H), 1.83 (s, 3H), 1.97 (s, 6H), 1.98 (s, 6H), 4.88 (d, J = 6.9Hz, 2H), 5.56-5.61 (m, 1H), 6.75-6.80 (m, 2H), 6.83 (d, J = 8.1Hz, 1H), 6.92-6.98 (m, 2H), 7.41 (dd, J = 2.4, 8.7Hz, 1H), 7.98 (d, J = 2.4Hz, 1H) IR (KBr): 3452, 3368, 2927, 1619, 1599, 1517, 1487, 1465, 1378, 1350, 1275, 1240, 1125, 980 cm ⁻¹
ſ	b-298	mp 158-160 °C; ¹H NMR (CDCl ₃) δ 1.74 (s, 3H), 1.78 (s. 3H), 1.79 (s, 3H), 1.83 (s, 3H), 1.97 (s, 6H), 2.00 (s. 6H), 3.74 (d, J = 6.9Hz, 2H), 4.88 (d, J = 6.9Hz, 2H), 5.37-5.42 (m, 1H), 5.56-5.62 (m, 1H), 6.67-6.72 (m, 2H), 6.84 (d, J = 8.4Hz, 1H), 6.94-7.00 (m, 2H), 7.41 (dd, J = 2.4, 8.7Hz, 1H), 7.99 (dd, J = 0.6, 2.4Hz, 1H) IR (KBr): 3388, 2928, 2854, 1613, 1600, 1518, 1486, 1465, 1376, 1349, 1312, 1291, 1275, 1240, 1125, 983 cm ⁻¹
·	b-299	mp 124-125 °C; ¹H NMR (CDCl ₃) δ 1.25 (s, 3H), 1.27 (s, 3H), 1.80 (s, 3H), 1.83 (s, 3H), 1.97 (s, 6H), 2.00 (s, 6H), 3.62-3.75 (m, 1H), 4.88 (d, $J = 6.9$ Hz, 2H), 5.56-5.62 (m, 1H), 6.64-6.68 (m, 2H), 6.83 (d, $J = 8.4$ Hz, 1H), 6.93-6.98 (m, 2H), 7.41 (dd, $J = 2.4$, 8.4Hz, 2H), 7.99 (d, $J = 1.8$ Hz, 1H) IR (KBr): 3391, 2965, 2930, 1613, 1600, 1519, 1412, 1376, 1362, 1349, 1316, 1277, 1242, 1181, 1125, 977 cm ⁻¹
I	b-300	mp 116-119°C; ¹ H NMR (CDCl ₃) δ 1.78 (s, 3H); 1.82 (s, 3H); 1.97 (s, 12H); 4.01 (s. 3H); 4.64 (d, J = 6.6Hz, 2H); 5.58 (m, 1H); 6.82-6.87 (m, 2H); 6.91 (ddd, J = 1.8, 4.8, 11.7Hz, 1H); 7.05 (dt, J = 1.5, 8.7Hz, 1H); 7.41 (ddd, J = 1.5, 2.4, 8.7Hz, 1H); 7.99 (d, J = 2.4Hz, 1H); IR (KBr): 3432, 2944, 1603, 1514, 1496, 1462, 1297, 1281, 1263, 1245, 1210, 1113 cm ⁻¹ .
I	b-301	mp 150-153°C; ¹ H NMR (CDCl ₃) δ 1.75 (s, 3H); 1.780 (s, 3H); 1.784 (s, 3H); 1.82 (s, 3H); 1.96 (s, 6H); 2.01 (s, 6H); 3.91 (t, $J = 6.0$ Hz, 2H); 4.50 (br t, $J = 4.5$ Hz, 1H); 4.64 (d, $J = 6.9$ Hz, 2H); 5.38 (m, 1H); 5.57 (m, 1H); 6.49 (m, 1H); 6.84 (m, 1H); 6.91 (ddd, $J = 2.1$, 3.3, 12Hz, 1H); 7.04 (dt, $J = 2.1$, 8.4Hz, 1H); 7.27 (m, 1H); 7.91 (m, 1H); IR (KBr): 3235, 2917, 1608, 1540, 1513, 1381, 1294, 1261 cm ⁻¹ .
11	b-302	mp 155-157°C; ¹H NMR (CDCl ₃) δ 1.30 (d, J = 6.3Hz, 6H); 1.78 (s, 3H); 1.83 (s, 3H); 1.96 (s, 6H); 2.01 (s, 6H); 3.92 (sept. J = 6.3Hz, 1H); 4.54 (br, 1H); 4.64 (d, J = 6.6Hz, 2H); 5.58 (m, 1H); 6.48 (d, J = 7.5Hz, 1H); 6.83-7.07 (m, 3H); 7.27 (m, 1H); 7.89 (m, 1H); IR (KBr): 3419, 3249, 2969, 1610, 1537, 1513, 1463, 1389, 1293, 1263, 1241, 1209, 1180, 1113 cm ⁻¹ .
II	b-303	mp 134-137°C; ¹ H NMR (CDCl ₃) δ 0.99-1.92 (m. 11H); 1.77 (s, 3H); 1.82 (s, 3H); 1.96 (s, 6H); 2.01 (s, 6H); 3.16 (t, J = 6.0Hz, 2H); 4.64 (d, J = 6.6Hz, 2H); 4.73 (br s, 1H); 5.57 (m, 1H); 6.49 (m, 1H); 6.82-6.94 (m, 2H); 7.04 (dt, J = 1.5, 7.8Hz, 1H); 7.27 (m, 1H); 7.88 (m, 1H); IR (KBr); 3425, 3250, 2925, 2852, 1607, 1533, 1512, 1448, 1294, 1261, 1240, 1211, 1115 cm ⁻¹ .

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Ib-	304	mp 154-156°C: ¹H NMR (CDCl ₃) δ 1.77 (s, 3H); 1.82 (s, 3H); 1.98 (s, 6H); 2.00 (s, 6H); 4.63 (d, J = 5.7Hz, 2H); 5.00 (br, 1H); 5.57 (m, 1H); 6.52 (dd, J = 2.4, 8.4Hz, 1H); 6.85-7.01 (m, 2H); 7.04 (dt, J = 1.8, 8.4Hz, 1H); 7.26-7.33 (m, 2H); 7.77 (m, 1H); 7.994 (m, 1H); 8.56 (m, 1H); 8.69 (br s, 1H); IR (KBr): 3256, 2917, 1603, 1514, 1463, 1427, 1381, 1296, 1263, 1239, 1210, 1112, 1004 cm ⁻¹ .
Ib-	-305	mp 127-129°C; ¹ H NMR (CDCl ₃) δ 0.99 (d, J = 6.6Hz, 6H); 1.50-1.80 (m, 3H); 1.77 (s, 3H); 1.82 (s, 3H); 1.96 (s, 6H); 2.01 (s, 6H); 3.29-3.36 (m, 2H); 4.53 (br t, 1H); 4.64 (d, J = 6.6Hz, 2H); 5.57 (m, 1H); 6.49 (d, J = 8.4Hz, 1H); 6.81-6.94 (m, 2H); 7.04 (dt, J = 1.5, 8.4Hz, 1H); 7.28 (m, 2H); 7.90 (m, 1H); IR (KBr): 3442, 3259, 2956, 1609, 1542, 1512, 1457, 1383, 1293, 1260, 1238, 1205, 1114 cm ⁻¹ .
Ib-	-306	mp 86-89°C; ¹ H NMR (CDCl ₃) δ 1.04 (d, J = 6.6Hz, 5H); 1.77 (s, 3H); 1.82 (s. 3H); 1.86-1.95 (m, 1H); 1.96 (s, 6H); 2.01 (s, 6H); 3.14 (t, J = 6.3Hz, 2H); 4.64 (d, J = 6.9Hz, 2H); 4.67 (br t, 1H); 5.57 (m, 1H); 6.49 (m, 1H); 6.82-7.07 (m, 3H); 7.28 (dt, J = 1.8, 8.4Hz, 1H); 7.89 (m, 1H); IR (KBr): 3343, 2957, 1610, 1513, 1465, 1382, 1294, 1263, 1240, 1114 cm ⁻¹ .
Ib-	-307	mp 157-159°C; ¹ H NMR (CDCl ₃) δ 1.77 (s, 3H); 1.82 (s, 3H); 1.96 (s, 6H); 2.00 (s, 6H); 4.64 (d, J = 6.6Hz, 2H); 4.77 (d, J = 5.4Hz, 2H); 4.94 (br, 1H); 5.57 (m, 1H); 6.56 (m. 1H); 6.81-7.09 (m, 5H); 7.24-7.30 (m, 2H); 7.96 (d, J = 2.4Hz, 1H); IR (KBr): 3393, 2925, 1610, 1512, 1295, 1263, 1240 cm ⁻¹ .
Ib-	-308	mp 175-177°C; ¹ H NMR (CDCl ₃) δ 1.77 (s, 3H); 1.82 (s, 3H); 1.96 (s, 6H); 2.00 (s, 6H); 4.58 (d, J = 6.0Hz, 2H); 4.64 (d, J = 6.9Hz, 2H); 4.98 (br s, 1H); 5.57 (m, 1H); 6.54 (m, 1H); 6.81-6.94 (m, 2H); 7.04 (dt, J = 1.8, 8.4Hz, 1H); 7.14 (dd, J = 1.8, 5.1Hz, 1H); 7.27 (m, 1H); 7.35 (dd, J = 3.0, 4.8Hz, 1H); 7.94 (m, 1H); IR (KBr): 3233, 2912, 1546, 1512, 1453, 1420, 1384, 1317, 1294, 1259, 1238, 1204, 1116 cm ⁻¹ .
Ib-	-309	mp $134-137^{\circ}$ C: ¹ H NMR (CDCl ₃) δ 1.77 (s, 3H); 1.82 (s, 3H); 1.98 (s, 6H); 2.00 (s, 6H); 4.58 (d, J = 5.4Hz, 2H); 4.64 (d, J = 6.6Hz, 2H); 4.88 (br t, 1H); 5.57 (m, 1H); 6.30 (dd, J = 0.9, 3.0Hz, 1H), 6.36 (dd, J = 4.2, 6.3Hz, 1H); 6.57 (m, 1H); 6.86 (m, 1H); 6.91 (ddd, J = 2.1, 3.6, 11.7Hz, 1H); 7.03 (dt, J = 1.8, 8.4Hz, 1H); 7.28 (m, 1H); 7.40 (m, 1H); 7.94 (m, 1H); IR (KBr): 3379, 2928, 1513, 1294, 1263, 1240 cm ⁻¹ .
Ib-	-310	mp 124-126°C; ¹H NMR (CDCl ₃) δ 1.77 (s, 3H); 1.82 (s, 3H); 1.97 (s, 6H); 2.00 (s, 6H); 4.41 (d, J = 5.4Hz, 2H); 4.64 (d, J = 6.3Hz, 2H); 4.73 (br t, 1H); 5.57 (m, 1H); 6.47 (m, 1H), 6.54 (m, 1H), 6.82-7.08 (m, 3H), 7.27 (m, 1H), 7.43 (t, J = 1.8Hz, 1H), 7.46 (m, 1H); 7.94 (d, J = 2.4Hz, 1H); IR (KBr): 3456, 3236, 2254, 1605, 1512, 1468, 1382, 1293, 1261, 1240, 1209, 1114 cm ⁻¹ .
Ib-	-311	mp 143-145°C: ¹H NMR (CDCl ₃) δ 1.78 (s. 3H); 1.82 (s, 3H); 1.97 (s, 6H); 2.00 (s, 6H); 4.64 (d, J = 7.0Hz, 2H); 4.74 (d, J = 5.2Hz, 2H); 5.58 (m, 1H); 5.76 (m, 1H), 6.61 (d, J = 8.4Hz, 1H); 6.82-7.29 (m, 4H); 7.40 (d, J = 8.0Hz, 1H); 7.70 (m, 1H); 7.95 (d, J = 2.0Hz, 1H); 8.61 (d, J = 4.8Hz, 1H); IR (KBr): 3251, 2929, 1608, 1514, 1440, 1380, 1295, 1264, 1252, 1240, 1207 cm ⁻¹ .
Ib-	-312	mp 166-167°C; ¹H NMR (CDCl ₃) δ 1.77 (s. 3H); 1.82 (s, 3H); 1.96 (s, 6H); 1.99 (s, 6H); 4.51 (br s, 2H); 4.64 (d. J = 6.6Hz, 2H); 5.57 (m. 1H); 6.62 (m. 1H); 6.84 (m. 1H); 6.90 (m. 1H); 7.04 (m. 1H); 7.27 (m. 1H); 7.90 (m. 1H); IR (KBr): 3467, 3304, 3168, 2917, 1638, 1619, 1516, 1388, 1297, 1265, 1240, 1209 cm ⁻¹ .

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5	Ib-313	amorphous; ¹ H NMR (CDCl ₃) δ 1.75 (s, 3H), 1.78 (s, 3H), 1.98 (s, 6H), 2.01 (s, 6H), 3.69 (br s, 1H), 3.91 (t, $J = 5.6$ Hz, 2H), 4.64 (br s, 1H), 5.38 (t, $J = 6.9$ Hz, 1H), 6.50 (d, $J = 8.7$ Hz, 1H), 6.75-6.79 (m, 2H), 6.92-6.97 (m, 2H), 7.30 (dd, $J = 8.7$, 2.1 Hz, 1H), 7.91 (d, $J = 2.1$ Hz, 1H), 7.56 (dd, $J = 9.3$, 2.4 Hz, 1H); IR (KBr): 3447, 3414, 3364, 1605, 1518, 1464, 1377, 1278, 819 cm ⁻¹
10	Гь-314	mp 172-173 °C; ¹H NMR (CDCl ₃) δ 1.75 (s. 6H), 1.78 (s. 3H), 1.78 (s. 3H), 2.00 (s. 6H), 2.01 (s. 6H), 3.4 (br s. 1H), 3.74 (d, J = 6.6 Hz, 2H), 3.91 (t, J = 6.0 Hz, 2H), 4.53 (br s. 1H), 5.35-5.42 (m. 2H), 6.49 (dd, J = 8.4, 0.9 Hz, 1H), 6.67-6.71 (m. 2H), 6.94-7.00 (m. 2H), 7.29 (dd, J = 8.4, 2.4 Hz, 1H), 7.93 (dd, J = 2.4, 0.9 Hz, 1H); IR (KBr): 3415, 3229, 1606, 1521, 1465, 1379,
15	L	1315. 1141. 985, 815 cm·1
20	Гь-315	mp 207-209 °C; ¹H NMR (CDCl₃) δ 1.76 (s, 3H), 1.76 (s, 3H), 1.96 (s, 6H), 1.98 (s, 6H), 3.4 (br s, 1H), 3.88 (d, J = 7.8 Hz, 2H), 5.42 (t, J = 7.8 Hz, 1H), 6.76-6.82 (m, 2H), 6.92-6.98 (m, 2H), 7.26 (d, J = 7.8 Hz, 1H), 7.34 (dd, J = 7.8, 2.1 Hz, 1H), 8.29 (d, J = 2.1 Hz, 1H); IR (KBr): 3452, 3367, 1619, 1517, 1457, 1353, 1280, 1176, 1107, 820, 540 cm·¹
25	Ib-316	mp 156-158 °C; ¹H NMR (CDCl ₃) δ 1.75 (s, 3H), 1.76 (s, 3H), 1.76 (s, 3H), 1.78 (s, 3H), 1.97 (s, 6H), 2.00 (s, 6H), 3.75 (d, $J = 6.6$ Hz, 2H), 3.88 (d, $J = 7.7$ Hz, 2H), 5.40 (t, $J = 6.6$ Hz, 2H), 5.42 (t, $J = 7.7$ Hz, 1H), 6.68-6.73 (m, 2H), 6.93-7.00 (m, 2H), 7.26 (dd. $J = 8.1$, 1.1 Hz, 1H), 7.34 (dd. $J = 8.1$, 2.1 Hz, 1H), 8.29 (dd. $J = 2.1$, 1.1 Hz, 1H); IR (KBr): 3391, 1612, 1518, 1462, 1180, 1108, 820, 807, 546 cm ⁻¹ .
30	Ib-317	mp 161-164 °C; ¹H NMR (CDCl₃) δ 1.77 (s, 3H), 1.77 (s, 3H), 1.99 (s, 6H), 1.99 (s, 6H), 2.11 (s, 6H), 3.89 (d, J = 7.8 Hz, 2H), 5.43 (t, J = 7.8 Hz, 1H), 5.94 (s, 2H), 7.21-7.39 (m, 6H), 8.31 (dd, J = 2.3, 0.8 Hz, 1H); IR (KBr): 3439, 1586, 1520, 1449, 1406, 1110, 999, 824, 750, 565 cm ⁻¹
35	Ib-318	mp 137-138 °C, ¹H NMR (CDCl ₃) δ 1.75 (s, 3H), 1.78 (s, 6H), 1.81 (s, 3H), 1.82 (s, 3H), 1.89 (s, 6H), 1.98 (s, 6H), 2.15 (s, 3H), 3.75 (d, J = 6.9 Hz, 2H), 4.86 (d, J = 7.2 Hz, 2H), 5.40 (m, 1H), 5.59 (m, 1H), 6.64-6.71 (m, 3H), 6.94-6.99 (m, 2H), 7.26 (d, J = 8.4 Hz, 1H). IR (KBr): 3412, 2914, 1611, 1592, 1460, 1311, 1297, 1282, 1237 cm ⁻¹
40	Ib-319	mp 129-130 °C, ¹H NMR (CDCl ₃) δ 1.74 (s, 3H), 1.79 (s, 6H), 1.82 (s, 3H), 1.98 (s, 6H), 1.99 (s, 6H), 2.25 (s, 3H). 3.75 (d, J = 6.9 Hz, 2H), 4.90 (d, J = 6.6 Hz, 2H), 5.40 (br t, J = 6.9 Hz, 1H), 5.59 (br t, J = 6.9 Hz, 1H), 6.70 (m, 2H), 6.97 (m, 2H), 7.23 (d, J = 2.1 Hz, 1H), 7.82 (d, J = 2.1 Hz, 1H)
45	Ib-320	mp 153-154 °C, ¹H NMR (CDCl ₃) δ 1.75 (s, 3H), 1.79 (s, 6H), 1.83 (s, 3H), 1.89 (s, 6H), 1.96 (s, 3H), 1.99 (s, 6H), 2.15 (s, 3H), 3.75 (d. J = 6.9 Hz, 2H), 4.86 (d, J = 6.9 Hz, 2H), 5.40 (m, 1H), 5.58 (m, 1H), 6.69-6.73 (m, 3H), 6.94-7.01 (m, 2H), 7.84 (s. 1H). IR (KBr): 3386, 2928, 1608, 1518, 1464, 1377, 1315, 1180, 1122, 1028 cm ⁻¹
50	Ib-321	mp 115-117 °C; ¹H NMR (CDCl ₃) δ 1.60 (s, 3H), 1.73 (s, 3H), 1.75 (s, 3H), 1.78 (s, 3H), 1.95 (s, 6H), 2.01 (s, 6H), 3.60 (d, $J = 7.7$ Hz, 2H), 3.91 (t, $J = 6.0$ Hz, 2H), 4.52 (m, 1H), 5.32-5.42 (m, 2H), 6.49 (d, $J = 8.4$ Hz, 1H), 7.05-7.11 (m, 2H), 7.28 (dd, $J = 8.4$, 2.3 Hz, 1H), 7.39-7.44 (m, 2H), 7.91 (d, $J = 2.3$ Hz, 1H); IR (KBr): 3425, 1609, 1541, 1391, 1378, 814, 550 cm ⁻¹

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I		mp 119-122 °C; 'H NMR (CDCl ₃) δ 1.75 (s, 3H), 1.77 (s. 3H), 1.78 (s, 3H),
	{	1.82 (s, 3H), 2.01 (s, 6H), 2.03 (s, 3H), 3.34 (s, 3H), 3.91 (dd, J=5.9, 5.9Hz,
5		2H), 4.51 (t, J=5.2Hz, 1H), 4.64 (d, J=6.7Hz, 2H), 5.38 (m, 1H), 5.57 (m,
	Ib-322	1H), 6.47 (d, J=8.5Hz, 1H), 6.97-7.08 (m, 3H), 7.23-7.28 (m, 1H), 7.72 (d,
		J=1.8Hz, 1H); IR (nujor): 3325, 1926, 2853, 1608, 1538, 1514, 1457, 1389.
		1296, 1262, 1214, 1110, 1006 cm ⁻¹
		1258, 1252, 1214, 1110, 1000 tm 1H NMR (300 MHz, CDCl ₃) δ 1.80 (d, J = 0.9 Hz, 3H), 1.83 (d, J = 0.9 Hz,
10		3H), 1.98 (s, 6H), 2.06 (s, 3H), 3.32 (s, 3H), 4.88 (d, $J = 6.9$ Hz, 2H), 5.55-
	Ib-323	5.62 (m, 1H), 6.80 (d, J = 7.8 Hz, 2H), 6.85 (dd, J = 8.6, 0.8 Hz, 1H), 7.11 (d,
!		J = 7.8 Hz, 2H). 7.40 (dd. J = 8.6, 2.6 Hz, 1H). 7.98 (dd. J = 2.6; 0.8 Hz, 1H)
		H NMR (300 MHz, CDCl ₃) & 1.74 (s, 3H), 1.78 (s, 3H), 1.80 (s, 3H), 1.83 (s.
15		TH NMK (300 MHz, CDC13) 0 1.74 (5, 3H), 1.70 (5, 3H), 1.00 (5, 3H), 1.00 (6, 3H), 1.00 (6, 3H), 1.00 (6, 3H)
15		3H), 1.98 (s, 3H), 2.07 (s, 3H), 3.33 (s, 3H), 3.75 (d, J = 6.6 Hz, 2H), 4.88 (d, J), 3.75 (d, J), 3.75 (d, J), 4.88 (d, J), 3.75 (d, J), 3.75 (d, J), 4.88 (d, J), 3.75 (d, J), 3.75 (d, J), 3.75 (d, J), 4.88 (d, J), 3.75 (d, J), 3.75 (d, J), 3.75 (d, J), 4.88 (d, J), 3.75 (d, J
	Љ-324	J = 6.9 Hz, 2H, 5.36-5.43 (m. 1H), 5.55-5.62 (m. 1H), 6.71 (d. J = 8.0 Hz, 1.0 (d. J = 8.0 Hz)
		2H), 6.84 (dd, J = 2.4. 0.8 Hz, 1H), 7.30 (d, J = 8.0 Hz, 2H), 7.40 (dd, J = 8.6,
		2.4 Hz, 1H), 7.98 (dd, J = 2.4, 0.8 Hz, 1H)
20	!	¹ H NMR (300 MHz, CDCl ₃) δ 1.80 (s, 3H), 1.83 (s, 3H), 1.97 (s, 6H), 2.06 (s,
20		3H), 3.32 (s, 3H), 3.92 (s, 3H), 4.46 (s, 2H), 4.88 (d. J = 6.9 Hz, 2H), 5.55-
	Ib-325	5.62 (m, 1H), 6.71 (d, J = 8.0 Hz, 2H), 6.84 (d, J = 8.4 Hz, 1H), 7.12 (d, J =
		8.0 Hz, 2H), 7.40 H, dd, J = 8.4, 2.2 Hz, 1H), 7.50 (d, J = 8.1 Hz, 2H), 7.98
		(d, J = 2.2 Hz, 1H), 8.04 (d, J = 8.1Hz, 2H)
25		¹ H NMR (300 MHz, CDCl ₃) δ 1.80 (s, 3H), 1.83 (s 3H), 1.97 (s, 6H), 2.06 (s,
25	Ib-326	3H), 3.32 (s, 3H), 4.48 (s, 2H), 4.88 (d, J = 6.9 Hz, 2H), 5.55-5.61 (m, 1H),
	10-520	6.70 (d, J = 7.8Hz, 2H), 6.85 (d, J = 8.4 Hz, 1H), 7.12 (d, J = 7.8 Hz, 2H),
		7.40 (dd, $J = 8.4$, 0.7 Hz, 1H), 7.53 (d, $J = 8.1$ Hz, 2H), 7.99 (d, $J = 0.7$ Hz,
	}	1H), 8.11 (d, J = 8.1 Hz, 2H)
30		1H NMR (300 MHz, CDCls) & 1.80 (s, 3H), 1.83 (s. 3H), 1.98 (s. 3H), 2.07 (s,
		3H), 3.32 (s, 3H), 3.86 (s, 3H), 3.87 (s, 6H), 4.33 (s, 2H), 4.88 (s, J = 6.6 Hz.
	Ib-327	2H), 5.55-5.60 (m, 1H), 6.67 (s, 2H), 6.76 (d, J = 7.1 Hz, 2H), 6.85 (dd, J =
	l	8.4, 0.6 Hz, 1H), 7.15 (d, J = 7.1 Hz, 2H), 7.40 (dd, J = 8.4, 2.4 Hz, 1H), 7.98
		(dd. J = 2.4, 0.6 Hz, 1H)
35		¹ H NMR (300 MHz, CDCl ₃) δ 1.80 (s, 3H), 1.83 (s, 3H), 1.97 (s, 6H), 2.06 (s,
		3H), 3.31 (s, 3H), 4.38 (s, 2H), 4.88 (d, J = 7.2 Hz, 2H), 5.55-5.62 (m, 1H),
	Ib-328	6.29 (d, J = 3.0 Hz, 1H), 6.35 (dd, J = 3.0, 1.8 Hz, 1H), 6.77 (d, J = 8.1 Hz,
]	2H), 6.84 (dd, J = 8.2, 0.6 Hz, 1H), 7.14 (d, J = 8.1 Hz, 2H), 7.399 (dd, J =
•		1.8, 0.8 Hz, 1H), 7.40 (dd. $J = 8.2$, 2.4 Hz. 1H), 7.98 (dd. $J = 2.4$, 0.6 Hz, 1H)
40		mp 110-111 °C; ¹H NMR (CDCl ₃) δ 1.80 (s, 3H), 1.83 (s, 3H), 1.98 (s, 6H),
		1.206 (s. 3H), 3.33 (s. 3H), 4.88 (d. $J = 6.9$ Hz, 2H), 5.59 (m, 1H), 6.79 (d, $J = 1$
	Ib-329	8.7 Hz, 2H, $6.84 (dd, J = 8.4 and J = 0.9 Hz, 1H$), $6.95 (d, J = 7.2 Hz, 2H$),
		7.56 (dd. J = 8.4 and 2.7 Hz, 1H), 8.11 (dd. J = 2.4 and 0.6 Hz, 1H) ; 1R
		(CHCl ₃): 3462, 3016, 2934, 1620, 1604, 1279, 1241, 1087, 982, cm ⁻¹ .
45		mp. 115-116 °C- 1H NMR (CDCl ₂) δ 1.74 (s, 3H), 1.78 (s, 3H), 1.80 (s, 3H), 1
	}	1.83 (s. 3H), $2.00 (s. 6H)$, $2.06 (s. 3H)$, $3.33 (s. 3H)$, $3.75 (d. J = 6.6 Hz$, $2H$), $1.83 (s. 3H)$, 1.8
	Th 000	1.488 (d. J = 6.9 Hz, 2H), 5.39 (m. 1H), 5.59 (m. 1H), 6.71 (d. J = 7.8 Hz, 2H), 1
	Ib-330	6.84 (dd. J = 8.4 and 0.6 Hz. 1H), 6.97 (d. J = 7.5 Hz. 2H), 7.56 (dd. J = 8.4)
	1	l and 2.4 Hz, 1H), 8.11 (dd $J = 2.4$ and 0.9 Hz, 1H); IR (CHCls): 3424,
50		3004, 2975, 2934, 2860, 1612, 1491, 1402, 1377, 1280, 1241, cm·l.

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Ib-331	mp 111-112 °C; ¹H NMR (CDCl ₃) δ 1.26 (s, 3H), 1.28 (s, 3H), 1.79 (s, 3H), 1.83 (s, 3H), 2.00 (s,6H), 2.06 (s, 3H), 3.33 (s, 3H), 3.68 (m, 1H), 4.88 (d, $J = 6.9$ Hz,2H), 5.59 (m, 1H), 6.67 (d, $J = 8.4$ Hz, 2H), 6.84 (dd, $J = 8.4$ and 6.0 Hz, 1H), 6.95 (d, $J = 7.2$ Hz, 2H), 7.56 (dd, $J = 8.4$ and 2.4 Hz,1H), 8.12 (dd. $J = 2.4$ and 0.6 Hz, 1H); IR (CHCl ₃): 3423, 3018, 2975, 2934, 2872, 1612, 1354, 1317, 1377,1280, 1242, cm ⁻¹ .
Ib-332	mp 139-140 °C; ¹H NMR (CDCl ₃) δ 1.14-1.46 (m 5H), 1.65-1.80 (m 3H), 1.82 (s, 3H), 1.83 (s, 3H), 2.00 (s, 6H), 2.06 (s, 3H), 3.33 (s, 3H), 2.10-2.15 (m, 2H), 3.30 (m. 1H), 4.88 (d, $J=7.2$ Hz, 2H), 5.59 (m, 1H), 6.87 (d, $J=8.7$ Hz, 2H), 6.84 (dd. $J=8.7$ and 0.9 Hz, 1H),6.94 (d, $J=7.2$ Hz, 2H), 7.56 (dd, $J=8.7$ and 2.7 Hz,1H), 8.11 (dd, $J=2.7$ and 0.9 Hz, 1H); IR (CHCl ₃): 3422, 3002, 2933, 2856, 1612, 1354, 1318, 1280, 1242,1130, 1087, cm ⁻¹ .
Ib-333	mp 155-156 °C: ¹H NMR (CDCl ₃) δ 1.80 (s, 3H), 1.83 (s, 3H), 1.99 (s,6H), 2.06 (s, 3H), 3.33 (s, 3H), 4.38 (s, 2H), 4.89 (d, J = 6.9 Hz, 2H), 5.59 (m, 1H), 6.30 (m, 1H), 6.35-6.37 (m, 1H), 6.77 (d, J = 8.4 Hz, 2H), 6.83 (dd, J = 8.4 and 0.9 Hz, 1H),6.98 (d, J = 7.5 Hz, 2H), 7.40 (dd, J = 2.1 and 0.9 Hz, 1H) 7.57 (dd, J = 8.7 and 2.7 Hz, 1H) 8.12 (dd, J = 2.4 and 0.6 Hz, 1H); IR (CHCl ₃): 3424, 2934, 2861, 1613, 1280, 1241, 1217, cm ⁻¹ .
Ib-334	mp 142-145 °C: ¹H NMR (CDCl ₃) & 1.99 (s, 3H), 2.06 (s, 3H), 3.33 (s, 3H), 3.79 (brs, 2H), 5.40 (s, 2H), 6.40 (dd, J=2.0, 3.2Hz, 1H), 6.49 (d, J=3.3Hz, 1H), 6.78 (d, J=8.4Hz, 2H), 6.87 (dd, J=0.8, 8.3Hz, 1H), 6.95 (brd, J=7.2Hz, 2H), 7.47 (dd, J=0.9, 1.5Hz, 1H), 7.58 (dd, J=2.6, 8.6Hz, 1H), 8.13 (dd, J=0.8, 2.6Hz, 1H); IR (nujor): 3342, 2924, 2854, 1611,1523, 1493, 1458, 1283, 1011, 824 cm ⁻¹
Ib-335	mp 158-159 °C; ¹H NMR (CDCls) & 1.80 (s, 3H), 1.83 (s, 3H), 2.00 (s, 6H), 2.06 (s, 3H), 3.33 (s, 3H), 4.38 (s, 2H), 4.89 (d, J=7.0Hz, 2H), 5.59 (m, 1H), 6.74 (d, J=8.6Hz, 2H), 6.84 (dd, J=0.7, 8.4Hz, 1H), 6.98 (brd, J=6.9Hz, 2H), 7.28-7.46 (m, 5H), 7.56 (dd, J=2.5, 8.5Hz, 1H), 8.12 (dd, J=0.7, 2.3Hz, 1H), IR (nujor): 3357, 2926, 2854, 1613, 1526, 1491, 1452, 1279, 1090, 997, 823, 732 cm ⁻¹
Ib-336	mp 116-117 °C; 'H NMR (CDCl ₃) δ 1.80 (s, 3H), 1.83 (s, 3H), 2.00 (s, 6H), 2.06 (s, 3H), 2.30 (s, 3H), 3.33 (s, 3H), 4.31 (s, 2H), 4.88 (d, J=6.9Hz, 2H), 5.59 (m, 1H), 5.93 (m, 1H), 6.17 (d, J=3.1Hz, 1H), 6.76 (d, J=8.6Hz, 2H), 6.84 (d, J=8.5Hz, 1H), 6.98 (brd, J=6.7Hz, 2H), 7.56 (dd, J=2.3, 8.5Hz, 1H), 8.12 (d. J=2.3Hz, 1H), IR (nujor): 3349, 2925, 2854, 1611, 1525, 1490, 1455, 1280, 1240, 979, 822, 782 cm ⁻¹
Ib-337	mp 94-97 °C; ¹H NMR (CDCla) δ 1.66 (brd, J=6.7Hz, 3H), 1.73 (s, 3H), 1.80 (s, 3H), 1.83 (s, 3H), 1.99 (s, 6H), 2.06 (s, 3H), 3.33 (s, 3H), 3.69 (brs, 2H), 4.88 (d, J=6.9Hz, 2H), 5.52-5.62 (m, 2H), 6.70 (d, J=8.6Hz, 2H), 6.83 (dd, J=0.7, 8.4Hz, 1H), 6.95 (brd, J=7.4Hz, 2H), 7.56 (dd, J=2.5, 8.5Hz, 1H), 8.11 (dd, J=0.7, 2.3Hz, 1H), IR (KBr): 3409, 3325, 2927, 2857, 1612, 1523, 1457, 1279, 1085, 1002, 986, 820 cm-1
Ib-338	mp 161-163 °C; ¹H NMR (CDCl ₃) δ 1.80 (s, 3H), 1.83 (s, 3H), 2.00 (s, 6H), 2.06 (s, 3H), 3.33 (s, 3H), 3.86 (s, 3H), 3.87 (s, 6H), 4.42 (s, 2H), 4.88 (d, J=7.0Hz, 2H), 5.59 (m, 1H), 6.66 (s, 2H), 6.75 (d. J=8.6Hz, 2H), 6.84 (dd, J=0.6, 8.5Hz, 1H), 6.99 (brd, J=6.7Hz, 2H), 7.56 (dd, J=2.4, 8.4Hz, 1H), 8.12 (dd, J=0.6, 2.3Hz, 1H), IR (KBr): 3373, 2934, 2831, 1604, 1592, 1522, 1457, 1280, 1240, 1124, 981, 822 cm-1

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5	Ib-339	mp 113-115 °C; ¹H NMR (CDCl ₃) δ 1.74 (s, 3H), 1.78 (s, 3H), 1.80 (d, J=0.9Hz, 3H), 2.00 (s. 6H), 2.06 (s, 3H), 3.33 (s, 3H), 3.75 (d, J=6.7Hz, 2H), 4.83 (dd, J=5.3Hz, 2H), 5.39 (m, 1H), 5.78-5.96 (m, 2H), 6.70 (d, J=8.6Hz, 2H), 6.84 (dd, J=0.7, 8.5Hz, 1H), 6.97 (brd, J=7.3Hz, 2H), 7.57 (dd, J=2.4, 8.4Hz, 1H), 8.11 (dd, J=0.7, 2.5Hz, 1H); IR (nujor): 3367, 2924, 2853, 1611, 1520, 1457, 1278, 1241, 992, 820 cm ⁻¹
15	Ib-340	mp 90-92 °C; ¹H NMR (CDCls) & 1.75 (s, 3H), 1.78 (s, 3H), 2.00 (s, 6H), 2.06 (s, 3H), 2.59 (dt, J=6.7, 6.7Hz), 3.33 (s, 3H), 3.75 (d, J=6.9Hz, 2H), 4.42 (t, J=6.8Hz, 2H), 5.12 (brd, J=10.2Hz, 1H), 5.20 (ddt, J=1.6, 1.6, 17.2Hz, 1H), 5.39 (m, 1H), 5.96 (ddt, J=6.7, 10.3, 17.1Hz, 1H), 6.70 (d, J=8.6Hz, 2H), 6.83 (dd, J=0.7, 8.4Hz, 1H), 6.96 (brd, J=6.9Hz, 2H), 7.57 (dd, J=2.3, 8.5Hz, 1H), 8.11 (dd, J=0.7, 2.4Hz, 1H); IR (nujor): 3362, 2952, 2925, 2854, 1611, 1604, 1519, 1466, 1280, 819 cm ⁻¹
20	Ib-341	mp 97-98 °C; ¹H NMR (CDCl ₃) δ 1.04 (t, J=7.5Hz, 3H), 1.75 (s, 3H), 1.78 (s, 3H), 2.00 (s, 6H), 2.06 (s, 3H), 2.22 (dq, J=7.0, 7.1Hz, 2H), 3.33 (s, 3H), 3.75 (d, J=6.9Hz, 2H), 4.95 (d, J=5.3Hz, 2H), 5.39 (m, 1H), 5.71 (dt, J=6.1, 11.0Hz, 1H), 5.75 (dt, J=6.1, 10.8Hz, 1H), 6.70 (d, J=8.8Hz, 2H), 6.84 (dd, J=0.7, 8.5Hz, 1H), 6.97 (brd, J=6.9Hz, 2H), 7.57 (dd, J=2.4, 8.4Hz, 1H), 8.12 (dd, J=0.7, 2.5Hz, 1H), IR (KBr): 3341, 2965, 2930, 1612, 1523, 1491, 1456, 1281, 1243, 1089, 991, 822 cm ⁻¹
25	Ib-342	mp 129-130°C; ¹H NMR (CDCl₃) δ 1.74 (s, 3H), 1.78 (s, 3H), 1.92 (t, $J = 2.1$ Hz 3H), 2.00 (s, 6H), 2.05 (s, 3H), 3.32 (s, 3H), 3.75 (d, $J = 6.6$ Hz, 2H), 5.02 (m, 2H), 5.40 (m, 1H), 6.72 (d, $J = 8.4$ Hz, 2H), 6.89 (dd, $J = 8.4$ and 0.6 Hz, 1H), 6.97 (d, $J = 7.2$ Hz, 2H), 7.59 (dd, $J = 8.4$ and 2.4 Hz, 1H), 8.12 (dd, $J = 2.4$ and 0.6 Hz, 1H); IR (CHCl₃): 3424, 3004, 2933, 2858, 1612, 1346, 1279, 1241, cm ⁻¹ .
35	Ib-343	mp 137-138 °C; ¹H NMR (CDCls) δ 1.75 (s, 3H), 1.78 (s, 3H), 2.00 (s,6H), 2.06 (s, 3H), 3.33 (s, 3H), 3.75 (d, J=6.9 Hz, 2H), 5.40 (m, 3H), 6.40 (dd, J=3.3 and 1.8 Hz, 1H), 6.49 (d, J=3.3 Hz, 1H), 6.70 (d, J=8.7 Hz, 2H), 6.87 (dd, J=9.0 and 0.6 Hz, 1H), 6.97 (d, J=7.5 Hz, 2H), 7.47 (dd, J=1.8 and 0.9 Hz, 1H), 7.59 (dd, J=8.4 and 2.4 Hz, 1H), 8.13 (dd, J=2.4 and 0.6 Hz, 1H); IR (CHCl ₃): 3424, 3004, 2933, 2860, 1612, 1402, 1453, 1346, 1280, cm ⁻¹ .
40	Ib-344	mp 144-146 °C; ¹H NMR (CDCl ₃) δ 1.80 (s, 3H), 1.84 (s, 3H), 1.85 (t, J=2.4Hz, 3H), 2.00 (s, 6H), 2.07 (s, 3H), 3.34 (s, 3H), 3.94 (q, J=2.4Hz, 2H), 4.89 (d, J=6.9Hz, 2H), 5.60 (m, 1H), 6.76 (d, J=8.4Hz, 2H), 6.85 (d, J=8.4Hz, 1H). 7.00 (brd, J=7.5Hz, 2H), 7.57 (dd, J=2.4, 8.4Hz, 1H), 8.13 (d, J=2.4Hz, 1H); IR (CHCl ₃): 3451, 3395, 3024, 3015, 2934, 1621, 1604, 1518, 1491, 1280, 993, 825 cm ⁻¹
45	Ib-345	mp 113-115 °C: ¹H NMR (CDCls) & 1.75 (s, 3H). 1.77 (s, 3H). 2.00 (s, 6H), 2.05 (s, 3H), 3.32 (s, 3H), 3.75 (d, J=6.7Hz, 2H), 4.64 (dd, J=3.9, 29.2Hz, 1H), 4.66 (dd, J=2.9, 29.2Hz. 1H), 4.81 (dd. J=3.0, 47.5Hz, 1H), 4.82 (dd, J=3.9, 47.4Hz, 1H), 5.40 (m, 1H), 6.70 (d, J=8.6Hz, 2H), 6.90 (dd, J=0.7, 8.4Hz, 1H), 6.96 (brd, J=7.5Hz, 2H), 7.59 (dd, J=2.4, 8.4Hz, 1H). 8.09 (dd, J=0.7, 2.5Hz, 1H); IR (nujor): 3399, 2925. 2854, 1612, 1519, 1491, 1450, 1283. 1087, 929 cm ⁻¹

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Ib-346	mp 111-112 °C; ¹H NMR (CDCl ₃) δ 1.75 (s, 3H), 1.78 (s, 3H), 2.00 (s, 6H), 2.05 (s, 3H), 3.32 (s, 3H), 3.75 (d, J=6.9Hz, 2H), 4.82 (dq, J=1.4, 8.6Hz, 2H), 5.39 (m, 1H), 6.70 (d, J=8.7Hz, 2H), 6.93-6.97 (m, 3H), 7.64 (dd, J=2.4, 8.4Hz, 1H), 8.10 (dd, J=0.3, 2.1Hz, 1H), IR (KBr): 3407, 2931, 2860, 1613, 1521, 1292, 1274, 1259, 1240, 1164, 1070, 823 cm ⁻¹
Ib-347	mp 154-156 °C; ¹H NMR (CDCl ₃) & 1.85 (t. J=2.6Hz, 3H), 1.99 (s, 6H), 2.06 (s, 3H), 3.33 (s, 3H), 3.93 (q, J=2.4Hz, 2H), 5.40 (s, 2H), 6.40 (dd, J=1.7, 3.2Hz, 1H), 6.49 (dd, J=0.9, 3.0Hz, 1H), 6.76 (d. J=8.7Hz, 2H), 6.87 (dd, J=0.9, 8.7Hz, 1H), 6.99 (brd, J=7.5Hz, 2H), 7.48 (dd, J=0.9, 1.8Hz, 1H), 7.58 (dd, J=2.6, 8.6Hz, 1H), 8.14 (dd, J=0.6, 2.4Hz, 1H), IR (KBr): 3410, 2989, 2934, 2860, 1610, 1520, 1278, 1242, 992, 822, 742 cm ⁻¹
Ib-348	mp 165-168 °C; ¹H NMR (CDCl3) & 1.85 (t, J=2.4Hz, 3H), 1.91 (t, J=2.4Hz, 3H), 1.99 (s, 6H), 2.05 (s, 3H), 3.32 (s, 3H), 3.93 (q, J=2.4Hz, 2H), 5.01 (q, J=2.4Hz, 2H), 6.76 (d, J=8.7Hz, 2H), 6.89 (dd, J=0.8, 8.6Hz, 1H), 6.99 (brd, J=7.2Hz, 2H), 7.58 (dd, J=2.4, 8.4Hz, 1H), 8.12 (dd, J=0.6, 2.4Hz, 1H), IR (KBr): 3393, 3338, 2923, 2862, 2237, 1612, 1604, 1521, 1279, 1243, 996, 824 cm ⁻¹
Ib-349	mp 172-173°C; ¹H NMR (CDCls) δ 1.74(s, 3H), 1.78 (s, 3H), 2.05 (s, 3H), 2.30 (s, 6H), 2.63 (s, 3H), 3.32 (s, 3H), 2.30 (s, 6H), 3.74 (d, J = 6.6 Hz, 2H), 5.39 (m, 1H), 6.70 (d, J = 8.7 Hz, 2H), 6.96 (d, J = 6.6 Hz, 2H), 7.27 (dd, J = 8.4 and 0.6 Hz, 1H), 7.51 (dd, J = 8.1 and 2.1 Hz, 1H), 7.42 (dd, J = 2.1 and 0.9 Hz, 1H), ; IR (CHCl ₃): 3423, 3003, 2931, 28598, 1613, 1589, 1315, 14021, 1289, cm ⁻¹ .
Ib-350	mp 183-184°C; ¹H NMR (CDCls) δ 1.75 (s, 3H), 1.79 (s, 3H), 2.01 (s,6H), 2.03 (s, 3H), 3.32 (s, 3H), 3.33 (s, 3H), 3.75 (d, $J = 6.9$ Hz, 2H), 5.40 (m, 1H), 6.72 (d, $J = 8.7$ Hz, 2H), 6.75 (d, $J = 8.1$ Hz, 2H), 7.98 (dd, $J = 8.1$ and 2.1 Hz, 1H), 8.17 (dd, $J = 8.1$ and 0.9 Hz, 1H), 8.70 (dd, $J = 2.7$ and 0.6 Hz, 1H), ; IR (CHCls): 3424, 3016, 2934, 2860, 1613, 1315, 1292, 1231, cm ⁻¹ .
Ib-351	mp 148-149 °C; ¹H NMR (CDCl ₃) δ 1.79 (s, 3H), 1.83 (s, 3H), 2.05 (s, 3H), 2.06 (s, 3H), 3.33 (s, 3H), 3.34 (s, 3H), 4.88 (d, J = 6.9Hz, 2H), 5.58 (m, 1H), 6.78 (d, J = 8.7Hz, 2H), 6.84 (d, J = 8.4Hz, 1H), 7.11 (d, J = 8.7Hz, 2H), 7.56 (dd, J = 8.4, 2.4Hz, 1H), 8.12 (d, J = 2.4Hz, 1H) IR (KBr): 3393, 1603, 1520, 1492, 1459, 1399, 1373, 1357, 1282, 1247, 1128, 1038, 1020, 982, 824cm ⁻¹
Ib-352	mp 106-107 °C; ¹H NMR (CDCl ₃) δ 1.75 (s. 3H), 1.78 (s. 3H), 1.80 (s. 3H), 1.83 (s. 3H), 2.07 (s. 3H), 2.08 (s. 3H), 3.33 (s. 3H), 3.34 (s. 3H), 3.75 (d. J = 6.6Hz, 2H), 4.88 (d. J = 7.2Hz, 2H). 5.38 (m. 1H), 5.58 (m. 1H), 6.70 (d. J = 8.4Hz, 2H), 6.84 (d. J = 8.4Hz, 1H), 7.12 (d. J = 8.4Hz, 2H), 7.56 (dd. J = 8.4, 2.4Hz, 1H), 8.12 (d. J = 2.4Hz, 1H) IR (KBr): 3401, 1614, 1603, 1561, 1522, 1491, 1463, 1281, 1242, 1182, 1128, 1037, 985, 821 cm ⁻¹
Ib-353	mp 126-127 °C; ¹H NMR (CDCl ₃) δ 1.49 (s. 3H), 1.67 (s, 3H), 1.80 (s, 3H), 1.83 (s, 3H), 2.02 (s, 3H), 2.07 (s, 3H), 2.81 (d, J = 5.4Hz, 3H), 3.30 (s, 3H), 3.34 (s. 3H), 4.17 (q, J = 5.4Hz, 2H), 4.27 (d, J = 7.2Hz, 2H), 4.89 (d, J = 7.2Hz, 2H), 5.29 (m, 1H), 5.58 (m, 1H), 6.85 (d, J = 8.4Hz, 1H), 7.32 (d, J = 4.2Hz, 2H), 7.44 (d, J = 4.2Hz, 2H), 7.59 (dd, J = 8.4, 2.4Hz, 1H), 8.11 (d, J = 2.4Hz, 1H) IR (KBr): 3304, 1603, 1564, 1512, 1491, 1455, 1355, 1329, 1279, 1149, 1131, 1043, 1019, 986, 879, 823, 583cm-¹

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5	Ib-354	mp 117-118 °C; ¹H NMR (300 MHz, CDCl ₃) δ 1.12-1.30 (m, 2H), 1.30-1.48 (m, 2H), 1.62-1.75 (m, 2H), 1.80 (s, 3H), 1.83 (s, 3H), 1.75-1.84 (m, 2H), 2.06 (s, 3H), 2.07 (s, 3H), 2.06-2.18 (m, 2H), 3.33 (s, 3H), 3.34 (s, 3H), 3.30-3.37 (m, 1H), 4.88 (d, $J = 6.9$ Hz, 2H), 5.56-5.61 (m, 1H), 6.65-6.72 (m, 2H), 6.84 (dd, $J = 8.7$, 0.9 Hz, 1H), 7.06-7.13 (m, 2H), 7.56 (dd, $J = 8.7$, 2.4 Hz, 1H), 8.11 (dd, $J = 2.4$, 0.9 Hz, 1H).
10	Ib-355	mp 108-110 °C, ¹H NMR (CDCl ₃) δ 1.74 (s, 3H), 1.78 (s, 3H), 1.81 (s, 3H), 1.82 (s, 3H), 1.94 (s, 3H), 2.06 (s, 3H), 2.26 (s, 3H), 3.32 (s, 3H), 3.33 (s, 3H), 3.75(d, J = 6.9 Hz, 2H), 4.87 (d, J = 7.2 Hz, 2H), 5.40 (m, 1H), 5.57 (m, 1H), 6.65 (d, J = 8.4 Hz, 2H), 6.72 (d, J = 8.4 Hz, 2H), 7.14 (d, J = 8.4 Hz, 2H),
15		7.37 (d, J = 8.4 Hz, 1H). IR (KBr): 3417, 2930, 1613, 1595, 1520, 1449, 1391, 1297, 1281, 1246, 1133, 1101, 1038 cm ⁻¹
20	Ib-356	mp 119-121 °C, ¹H NMR (CDCl₃) δ 1.74 (s, 3 H), 1.78 (s, 3 H), 1.79 (s, 3 H), 1.82 (s, 3 H), 2.06 (s, 3 H), 2.07 (s, 3 H), 2.25 (s, 3 H), 3.33 (s, 3 H), 3.35 (s, 3 H), 3.75(d. J = 6.6 Hz, 2H), 4.91 (d. J = 6.6 Hz, 2H), 5.39 (br t, J = 6.6 Hz, 1H), 5.59 (br t, J = 6.6 Hz, 1H), 6.71 (d. J = 8.4 Hz, 2H), 7.13 (d. J = 8.4 Hz, 2H), 7.37 (d. J = 2.1 Hz, 1H), 7.94 (d. J = 2.1 Hz, 1H)
25	Ib-357	mp 130-132 °C, ¹H NMR (CDCls) δ 1.74 (s, 3H), 1.79 (s, 6H), 1.82 (s, 3H), 1.94 (s, 3H), 2.06 (s, 6H), 3.33 (s, 3H), 3.37 (s, 3H), 3.76 (d, J = 6.9 Hz, 2H), 4.86 (d, J = 6.9 Hz, 2H), 5.40 (m, 1H), 5.57 (m, 1H), 6.71-6.74 (m, 3H), 7.14 (d, J = 8.7 Hz, 2H), 7.94 (s, 1H). IR (KBr): 3392, 2927, 1611, 1521, 1448, 1390, 1349, 1322, 1286, 1270, 1236, 1179, 1115, 1026 cm ⁻¹
30	Ib-358	mp 120-121 °C; 'H NMR (CDCl ₃) δ 1.74 (s, 3H), 1.78 (s, 3H), 2.06 (s, 3H), 2.07 (s, 3H), 2.63 (s, 3H), 3.33 (s, 6H), 3.75 (d, J = 9.6Hz, 2H), 5.39 (m, 1H), 6.70 (d, J = 8.4Hz, 2H), 7.12 (d, J = 8.4Hz, 2H), 7.27 (d, J = 8.1Hz, 1H), 7.51 (dd, J = 8.1, 2.4Hz, 1H), 8.42 (d, J = 2.4Hz, 1H) IR (KBr): 3379, 1614, 1587, 1523, 1459, 1395, 1351, 1319, 1286, 1136, 1109, 1038, 1016, 985, 818cm ⁻¹
35	Ib-359	mp 163-164 °C; ¹H NMR (300 MHz, CDCl ₃) & 1.75 (s, 3H), 1.78 (s, 3H), 2.07 (s, 3H), 2.09 (s. 3H), 3.33 (s, 3H), 3.36 (s, 3H), 3.75 (d, J = 6.6 Hz, 2H), 3.91 (t, J = 5.9 Hz, 2H), 4.58 (br s. 1H), 5.35-5.42 (m. 2H), 6.49 (d, J = 8.3 Hz, 1H), 6.65-6.72 (m, 2H), 7.08-7.15 (m, 2H), 7.44 (dd, J = 8.3, 2.0 Hz, 1H), 8.06 (d. J = 2.0 Hz, 1H):
40	Ib-360	mp 145-146 °C: ¹H NMR (300 MHz, CDCls) δ 1.79 (s, 3H), 2.06 (s, 3H), 2.08 (s, 3H), 3.35 (s, 3H), 3.78 (t, J = 5.6 Hz, 2H), 3.88 (br s, 1H), 4.53 (br s), 5.36-5.44 (m, 1H), 6.61 (dd, J = 8.4, 0.75 Hz, 1H), 6.73-6.79 (m, 1H), 6.92-6.98 (m. 2H), 7.45 (dd, J = 8.4, 2.1 Hz, 1H), 8.04 (d, J = 2.1 Hz, 1H).
45	Ib-361	mp 143-144 °C; ¹H NMR (300 MHz, CDCl ₃) δ 1.75 (s, 3H), 1.79 (s, 3H), 2.06 (s, 3H), 2.09 (s. 3H), 3.35 (s, 3H), 3.36 (s, 3H), 3.78 (t, $J = 6.0$ Hz, 2H), 3.83-3.94 (m, 3H), 4.53 (br s, 1H), 5.34-5.44 (m, 2H), 6.48 (dd, $J = 8.4$, 0.9 Hz, 1H), 6.73-6.79 (m, 1H), 6.92-6.98 (m, 2H), 7.43 (dd, $J = 8.4$, 2.4 Hz, 1H), 8.05 (dd, $J = 2.4$, 0.6 Hz, 1H).
50	Ib-362	¹ H NMR (300 MHz, CDCl ₃) δ 1.20-1.35 (m, 3H), 1.35-1.48 (m, 2H), 1.77 (s, 3H), 1.82 (s, 3H), 1.60-1.96 (m, 3H), 2.04 (s, 3H), 2.09 (s. 3H), 2.04-2.15 (m, 2H), 3.34 (s, 3H), 3.36 (s, 3H), 3.53-3.64 (m, 1H), 4.64 (d, J = 6.9 Hz, 2H), 4.60-4.65 (m, 1H), 5.54-5.60 (m, 1H), 6.47 (d, J = 8.4 Hz, 1H), 6.96-7.09 (m, 3H), 7.41 (dd, J = 8.4, 2.2 Hz, 1H), 8.02 (d, J = 2.2 Hz, 1H).

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	Ib-363	mp 96-97 °C; ¹H NMR (CDCl ₃) δ 1.74 (s, 3H), 1.79 (s, 6H), 1.82 (s, 3H), 2.05 (s, 6H), 2.18 (s, 3H), 3.74 (d, J = 6.6Hz, 2H), 4.87 (d, J = 7.2Hz, 2H), 5.39 (t, J = 6.9Hz, 1H), 5.58 (t, J = 7.2Hz, 1H), 6.70 (d, J = 8.4Hz, 2H), 6.81 (d, J = 8.4Hz, 1H), 6.96-6.99 (m, 3H), 7.57 (dd, J = 0.9, 8.7Hz, 1H), 8.16 (d, J = 2.1Hz, 1H); IR (KBr): 3345, 2972, 2913, 1613, 1560, 1522, 1490, 1466, 1281, 1240, 982, 827 cm ⁻¹
	Ib-364	mp 133-134 °C; ¹H NMR (CDCl ₃) & 1.79 (s, 3H), 1.82 (s, 3H), 2.05 (s, 6H), 2.18 (s, 3H), 4.17 (br s, 1H), 4.38 (s, 2H), 4.87 (d, J = 7.2Hz, 2H), 5.58 (t, J = 7.2Hz, 1H), 6.74 (d, J = 8.4Hz, 2H), 6.81 (dd, J = 0.6, 8.4Hz, 1H), 6.97-6.99 (m, 3H), 7.31-7.46 (m, 5H), 7.57 (dd, J = 2.7, 8.7Hz, 1H), 8.15 (dd, J = 0.6, 2.4Hz, 1H); IR (KBr): 3357, 2962, 2922, 1614, 1526, 1491, 1465, 1359, 1280, 1241, 999, 828 cm ⁻¹
i	Гь-365	mp 89-91 °C; ¹H NMR (CDCl ₃) δ 1.71 (s, 3H), 1.75 (s, 3H), 1.79(s, 3H), 1.82 (s, 3H), 2.25 (s, 3H), 3.75 (d, J=6.9Hz, 2H), 3.88 (s, 3H), 4.87 (d, J=6.9Hz, 2H), 5.37 (m, 1H), 5.58 (m, 1H), 6.74-6.84 (m, 4H), 7.21(s, 1H), 7.41-7.45(m, 2H), 7.76(dd, J=2.4, 8.4Hz, 1H), 8.19 (d, J=2.4Hz, 1H); IR (CHCl ₃): 3426, 2935, 2859, 1611, 1524, 1504, 1482, 1379, 1357, 1316, 1281, 1241, 1187, 1165, 1128, 1039, 979, 895cm ⁻¹
	Ib-366	mp 93-94 °C; ¹H NMR (CDCl ₃) δ 1.25 (d, J=6.3Hz, 6H), 1.79 (s, 3H), 1.82(s, 3H), 2.24 (s, 3H), 3.67 (m, 1H), 3.79 (s, 3H), 4.87 (d, J=7.2Hz, 2H), 5.57 (m, 1H), 6.69 (d, J=7.5Hz, 2H), 6.79 (s, 1H), 6.82 (d, J=8.4Hz, 1H), 7.21(s, 1H), 7.42(d, J=8.4Hz, 2H), 7.60(dd, J=2.4, 8.7Hz, 1H), 8.19 (d, J=2.4Hz, 1H); IR (CHCl ₃): 3424, 2974, 2934, 2871, 1673, 1611, 1566, 1524, 1504, 1482, 1385, 1357, 1318, 1281, 1242, 1129, 1039, 979cm-1
	Ib-367	mp 105-108 °C; ¹H NMR (CDCl₃) δ 1.79 (s, 3H), 1.82(s, 3H), 2.24 (s, 3H), 3.78 (s, 3H), 4.38 (s, 2H), 4.87 (d, J=7.2Hz, 2H), 5:57 (m, 1H), 6.73 (d, J=8.4Hz, 2H), 6.79 (s, 1H), 6.82 (d, J=8.4Hz, 1H), 7.20(s, 1H), 7.28-7.43(m, 7H), 7.60(dd, J=2.4, 8.4Hz, 1H), 8.18 (d, J=2.4Hz, 1H); IR (CHCl₃): 3448, 3421, 2936, 2859, 1612, 1566, 1524, 1482, 1391, 1358, 1316, 1281, 1242, 1187, 1165, 1128, 1039, 979cm-¹
	Ib-368	mp 112-113 °C; ¹H NMR (CDCl₃) δ 1.55-1.72 (m, 6H), 1.79(s, 3H), 1.82 (s, 3H), 2.07-2.12 (m, 2H), 2.24(s, 3H), 3.41 (m, 1H), 3.79 (s, 3H), 3.96 (s, 4H), 4.87 (d, J=6.6Hz, 2H), 5.57 (m, 1H), 6.70-6.83 (m, 4H), 7.20 (s, 1H), 7.42 (d, J=8.4Hz, 2H), 7.42(d, J=8.4Hz, 2H), 7.60(dd, J=1.8, 8.4Hz, 1H), 8.18(d, J=1.8Hz, 1H); IR (CHCl₃): 3425, 2952, 2887, 1611, 1524, 1504, 1482, 1445, 1376, 1357, 1310, 1281, 1188, 1152, 1105, 1036, 977, 925 cm ⁻¹
	Ib-369	mp 141-142 °C; 'H NMR (CDCl ₃) δ 1.56 (m, 2H), 1.79(s, 3H), 1.82 (s, 3H), 2.05-2.10 (m, 2H), 2.25(s, 3H), 3.48-3.59 (m, 3H), 3.79 (s, 3H), 4.00-4.05 (m, 2H), 4.87 (d, J=6.9 Hz, 2H), 5.57 (m, 1H), 6.73-6.84 (m, 4H), 7.20 (s, 1H), 7.42 (d, J=8.4Hz, 2H), 7.60(dd, J=2.4, 8.4Hz, 1H), 8.18(d, J=2.4Hz, 1H); IR (CHCl ₃): 3424, 2966, 2939, 2850, 1611, 1566, 1523, 1482, 1386, 1357, 1316, 1188, 1136, 1087, 1039, 982, 870 cm ⁻¹
	Љ-370	mp 83-86 °C; ¹H NMR (CDCl₂) δ 1.71 (s, 3H), 1.75(s, 3H), 2.24 (s, 3H), 3.74-3.81 (m, 5H), 5.35-5.40 (m, 3H), 6.40 (m, 1H), 6.48 (m, 1H), 6.74 (d, J=8.7Hz, 2H), 6.80 (s, 1H), 6.85 (d, J=8.7Hz, 1H), 7.21 (s, 1H), 7.42-7.48 (m, 3H), 7.62(dd, J=2.4, 8.4Hz, 1H), 8.20(d. J=2.4Hz, 1H); IR (CHCl₃): 3427, 2935, 2858, 1611, 1567, 1524, 1503, 1480, 1390, 1346, 1316, 1282, 1187, 1165, 1150, 1127, 1039, 1015, 992, 920 cm ⁻¹

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5	Ib-371	mp 100-101 °C; 'H NMR (CDCl ₃) δ 1.26 (d, J=6.3Hz, 6H), 2.24(s, 3H), 3.67 (m, 1H), 3.79 (s, 3H), 5.39(s, 2H), 6.40 (m, 1H), 6.49 (m, 1H), 6.70-6.73 (m, 2H), 6.79 (s, 1H), 6.84 (d, J=8.4Hz, 1H), 7.21 (s, 1H), 7.43 (d, J=8.4Hz, 2H), 7.48(m, 1H), 7.62(dd, J=2.4, 8.4Hz, 1H), 8.20(d, J=2.4Hz, 1H); IR (CHCl ₃): 3424, 2967, 2934, 1611, 1567, 1524, 1479, 1384, 1346, 1318, 1282, 1243, 1187, 1151, 1127, 1039, 1015, 992, 920 cm ⁻¹
10	Ib-372	mp 138-139 °C; ¹H NMR (CDCl ₃) δ 1.56-1.84 (m, 6H), 2.09-2.12(m, 2H), 2.24 (s, 3H), 3.42 (m, 1H), 3.79(s, 3H), 3.97 (s, 4H), 5.39 (s, 2H), 6.40 (m, 1H), 6.49 (d, J=3.3Hz, 1H), 6.72 (m, 2H), 6.79 (s, 1H), 6.85 (d, J=8.7Hz, 1H), 7.20 (s, 1H), 7.42 (d, J=8.7Hz, 2H), 7.47 (d, J=1.8Hz, 1H), 7.62 (dd, J=2.7, 8.7Hz, 1H), 8.20 (d, J=2.7Hz, 1H); IR (CHCl ₃): 3425, 2952, 2886, 1611, 1568, 1524, 1504, 1480, 1446, 1375, 1346, 1311, 1282, 1188, 1151.
		1105, 1037, 993, 924 cm· ¹ mp 128-130 °C; ¹ H NMR (CDCls) δ 1.73 (s, 3H), 1.78 (s, 3H), 1.79 (s, 3H),
20	Гь-373	1.82 (s, 3H), 2.04 (s. 3H), 2.08 (s, 3H), 3.34 (s, 3H), 3.54 (s, 3H), 3.75 (d, J = 6.3Hz, 2H), 4.86 (d, J = 6.9Hz, 2H), 5.39 (m, 1H), 5.56 (m, 1H), 6.72 (d, J = 8.4Hz, 2H), 6.79 (dd, J = 8.7, 0.6Hz, 1H), 7.11 (d, J = 8.4Hz, 2H), 7.48 (dd, J = 8.7, 2.4Hz, 1H), 8.04 (dd, J = 2.4, 0.6Hz, 1H); IR (KBr) 3420, 1730, 1612, 1603, 1561, 1521, 1490, 1461, 1277, 1223, 1120, 1002, 983, 823 cm ⁻¹
25	Ib-374	mp 172-173 °C; ¹H NMR (CDCl ₃) & 1.73 (s, 3H), 1.77 (s, 3H), 2.04 (s, 3H), 2.08 (s, 3H), 3.35 (s, 3H), 3.53 (s, 3H), 3.75 (d, J = 6.9Hz, 2H), 5.38 (s, 2H), 5.39 (m, 1H), 6.39 (dd, J = 3.3, 1.8Hz, 1H), 6.48 (d, J = 3.3Hz, 1H), 6.73 (d, J = 8.4Hz, 2H), 6.82 (dd, J = 8.4, 0.9Hz, 1H), 7.11 (d, J = 8.4Hz, 2H), 7.47 (dd, J = 1.8, 0.9Hz, 1H) 7.50 (dd, J = 8.4, 2.4Hz, 1H), 8.06 (dd, J = 2.4, 0.9Hz, 1H); IR (KBr) 3415, 1730, 1610, 1562, 1520, 1490, 1452, 1346, 1278, 1224, 1121, 989, 825, 736 cm ⁻¹
30 35	Ib-375	mp 146-147 °C; ¹H NMR (CDCl ₃) & 1.75 (s, 3H), 1.78 (s, 3H), 1.79 (s, 3H), 1.83 (s, 3H), 1.99 (s, 6H), 2.02 (s, 3H), 2.12 (s, 3H), 3.75 (d, J = 6.9Hz, 2H), 3.80 (br s, 1H), 4.89 (d, J = 6.9Hz, 2H), 5.39 (t, J = 6.9Hz, 1H), 5.59 (t, J = 7.2Hz, 1H), 6.70 (d, J = 8.7Hz, 2H), 6.85 (d, J = 8.4Hz, 1H), 6.91-6.99 (m, 2H), 7.45 (dd, J = 2.4, 8.4Hz, 1H), 8.01 (dd, J = 0.9, 2.1Hz, 1H); JR (KBr): 3395, 2970, 2911, 2855, 1613, 1603, 1519, 1376, 1277, 1185, 1126, 977, 804 cm ⁻¹
40	Ib-376	mp 187-188 °C; ¹H NMR (CDCl ₃) δ 1.79 (s, 3H), 1.83 (s, 3H), 1.99 (s, 3H), 2.02 (s, 3H), 2.12 (s, 3H), 4.13 (br s, 1H), 4.38 (s, 2H), 4.89 (d, J = 6.9Hz, 2H), 5.59 (t, J = 7.2Hz, 1H), 6.74 (d, J = 8.4Hz, 2H), 6.85 (d, J = 8.4Hz, 1H), 6.93-6.96 (m, 2H), 7.31-7.46 (m, 6H), 8.01 (d, J = 1.8Hz, 1H); IR (KBr): 3358, 2964, 2929, 1613, 1526, 1490, 1451, 1280, 1244, 1184, 1125, 997, 975, 804, 732 cm ⁻¹
45 50	Ib-377	mp 75-76 °C; ¹H NMR (CDCls) δ 1.73 (s, 3H), 1.77 (s, 3H), 1.80 (s, 3H), 1.83 (s, 3H), 2.01 (s, 3H), 2.07 (s, 3H), 2.11 (s, 3H), 3.37 (s, 3H), 3.73 (d, J = 6.6Hz, 2H), 4.09 (br s, 1H), 4.88 (d, J = 6.9Hz, 2H), 5.38 (t, J = 6.6Hz, 1H), 5.59 (t, J = 7.2Hz, 1H), 6.52-6.56 (m, 2H), 6.84 (d, J = 7.5Hz, 1H), 6.85 (s, 1H), 6.96 (d, J = 7.8Hz, 1H), 7.59 (dd, J=2.4, 8.4Hz, 1H), 8.14 (d, J = 1.8Hz, 1H); IR (KBr): 3424, 3339, 2969, 2927, 1611, 1509, 1460, 1353, 1282, 1252, 1103, 984, 813 cm ⁻¹

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Гь-378	mp 150-151 °C; ¹H NMR (CDCls) δ 1.80 (s, 3H), 1.83 (s, 3H), 2.01 (s, 3H), 2.06 (s. 3H), 2.11 (s, 3H), 3.37 (s, 3H), 4.36 (s, 2H), 4.88 (d, $J = 6.9$ Hz, 2H), 5.59 (t, $J = 7.2$ Hz, 1H), 6.54-6.60 (m, 2H), 6.84 (d, $J = 8.4$ Hz, 1H), 6.84 (s, 1H), 6.96 (d, $J = 8.1$ Hz, 1H), 7.30-7.44 (m, 5H), 7.58 (dd, $J = 2.4$, 8.4Hz, 1H), 8.14 (dd, $J = 0.9$, 2.4Hz, 1H); IR (KBr): 3412, 3272, 3018, 2927, 2858, 1611, 1517, 1459, 1375, 1355, 1317, 1283, 1243, 1106, 1050, 985 cm ⁻¹
Ib-379	mp 69-70 °C; ¹H NMR (CDCl ₃) δ 1.74 (s, 3H), 1.78 (s, 3H), 1.80 (s, 3H), 1.83 (s, 3H), 2.13 (s, 3H), 2.15 (s, 3H), 3.38 (s, 3H), 3.72 (d, J = 6.9Hz, 2H), 4.88 (d, J = 6.9Hz, 2H), 5.36 (t, J = 6.9Hz, 1H), 5.58 (t, J = 7.2Hz, 1H), 6.38-6.49 (m, 2H), 6.84 (d, J = 8.4Hz, 1H), 6.95 (s, 1H), 7.06 (dd, J = 8.1, 8.4Hz, 1H), 7.57 (dd, J=2.4, 8.4Hz, 1H), 8.13 (d, J = 1.8Hz, 1H); IR (KBr): 3416, 2972, 2930, 1627, 1522, 1462, 1376, 1269, 1240, 1171, 1098, 963, 832 cm ⁻¹
Ib-380	mp 156-157 °C; ¹H NMR (CDCls) & 1.80 (s, 3H), 1.83 (s, 3H), 2.13 (s, 3H), 2.14 (s, 3H), 3.38 (s, 3H), 4.36 (s, 2H), 4.89 (d, J = 7.2Hz, 2H), 5.58 (t, J = 7.2Hz, 1H), 6.40-6.51 (m, 2H), 6.84 (d, J = 8.4Hz, 1H), 6.94 (s, 1H), 7.09 (dd, J = 8.1, 8.4Hz, 1H), 7.32-7.40 (m. 5H), 7.58 (dd, J = 2.4, 8.4Hz, 1H), 8.13 (dd, J = 0.6, 1.8Hz, 1H); IR (KBr): 3262, 3019, 2930, 1626, 1528, 1464, 1353, 1317, 1284, 1244, 1170, 1105, 986, 821 cm-1
Ib-381	mp 121-123 °C; ¹H NMR (CDCl₃) & 1.74 (s, 3H), 1.77 (s, 3H), 1.80 (s, 6H), 1.83 (s, 3H), 1.97 (s, 3H), 2.00 (s, 3H), 2.07 (s, 3H), 3.51 (s, 3H), 3.72 (d, $J = 6.9$ Hz, 2H), 4.88 (d, $J = 6.9$ Hz, 2H), 5.37 (m, 1H), 5.58 (m, 1H), 6.64 (d, $J = 8.7$ Hz, 2H), 6.85 (d, $J = 8.4$ Hz, 1H), 7.01-7.08 (m, 2H), 7.38 (dd, $J = 8.4$, 2.4Hz, 1H), 7.96 (d, $J = 2.4$ Hz, 1H); IR (KBr) 3391, 1713, 1613, 1602, 1524, 1487, 1437, 1298, 1276, 1243, 1222, 1122, 979 cm ⁻¹
Ib-382	mp 126-128 °C; ¹H NMR (CDCl ₃) δ 1.74 (s. 3H), 1.77 (s. 3H), 1.97 (s. 3H), 2.00 (s. 3H), 2.07 (s. 3H), 3.51 (s. 3H), 3.72 (d. J = 6.6Hz, 2H), 5.37 (m. 1H), 5.39 (s. 2H), 6.41 (dd. J = 3.0, 1.8Hz, 1H), 6.50 (brd, J = 3.0Hz, 1H), 6.64 (d. J = 8.7Hz, 2H), 6.89 (dd. J = 8.4, 0.6Hz, 1H), 7.01-7.09 (m. 2H), 7.40 (dd. J = 8.4, 2.4Hz, 1H), 7.48 (dd. J = 1.8, 0.6Hz, 1H), 7.98 (dd. J = 2.4, 0.6Hz, 1H); IR (KBr) 3384, 1714, 1612, 1523, 1490, 1343, 1322, 1301, 1281, 1246, 1224, 1124, 990 cm ⁻¹
Ib-383	mp 161-163 °C; ¹H NMR (CDCl ₃) & 1.73 (s, 3H), 1.77 (s, 3H), 1.91 (t, J = 2.4Hz, 3H), 1.96 (s, 3H), 1.99 (s, 3H), 2.07 (s, 3H), 3.51 (s, 3H), 3.72 (d, J = 6.6Hz, 2H). 5.01 (q, J = 2.4Hz, 2H), 5.37 (m, 1H), 6.65 (d, J = 9.0Hz, 2H), 6.90 (dd, J = 8.7, 0.9Hz, 1H), 7.01-7.08 (m, 2H), 7.40 (dd, J = 8.7, 2.4Hz, 1H), 7.97 (dd, J = 2.4, 0.9Hz, 1H); IR (KBr) 3385, 1725, 1613, 1603, 1525, 1488, 1344, 1329, 1303, 1281, 1246, 1221, 999 cm ⁻¹
Ib-384	Oil ¹ H NMR (CDCl ₃) δ 1.78 (s, 3H), 1.82 (s, 3H), 2.30 (s, 3H), 2.44 (s. 3H), 4.64 (d, J = 6.6Hz, 2H), 5.55 (m, 1H), 6.99-7.12 (m, 3H), 7.17 (s, 1H), 7.37 (s, 1H), 7.53 (d, J = 1.2Hz, 1H), 9.07 (d, J = 1.2Hz, 1H)
Ib-385	mp 93-94 °C; ¹H NMR (CDCls) δ 1.77 (s, 3H), 1.81 (s. 3H), 2.28 (s, 3H), 2.40 (s. 3H), 4.05 (s, 3H), 4.64 (d. J = 6.9Hz, 2H), 5.55 (m, 1H), 6.86 (d, J = 1.2Hz, 1H), 6.98-7.12 (m,3H), 7.26 (s, 1H), 7.34 (s, 1H), 8.87 (d, J = 1.2Hz, 1H); IR (KBr) 1589, 1533, 1518, 1496, 1394, 1364, 1299, 1263, 1232, 1123, 1040, 997, 986, 872 cm ⁻¹

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		27 22 27 17 10 CD CL) \$ 1.77 (c. 21) 1.81 (c. 21) 2.28 (c. 21) 2.28
5	Ib-386	mp 95-96 °C; ¹H NMR (CDCl ₃) δ 1.77 (s, 3H), 1.81 (s, 3H), 2.28 (s, 3H), 2.38 (s, 3H), 3.17 (s, 6H), 4.64 (d, $J = 6.9$ Hz, 2H), 5.55 (m, 1H), 6.53 (d, $J = 1.2$ Hz, 1H), 6.98-7.14 (m,4H), 7.29 (s, 1H), 8.69 (d, $J = 1.2$ Hz, 1H); IR (KBr) 1591, 1512, 1417, 1405, 1299, 1278, 1261, 1228, 1123, 1000, 836, 827 cm ⁻¹
10	Ib-387	mp 88-90°C; ¹ H NMR (CDCls) δ 1.78 (s, 3H), 1.83 (s, 3H), 2.29 (s, 3H), 2.30 (s, 3H), 4.57 (d, $J = 6.6$ Hz, 2H), 5.55 (t, $J = 6.6$ Hz, 1H), 6.99 (d, $J = 8.4$ Hz, 2H), 7.12 (s, 1H), 7.20 (s, 1H), 7.28 (d, $J = 8.4$ Hz, 2H), 8.79 (s, 2H), 9.22 (s, 1H); IR (KBr) 1611, 1519, 1497, 1415, 1384, 1240, 1007, 820, 731 cm ⁻¹ .
15	Ib-388	mp 97-98°C; ¹H NMR (CDCl₃) 8 1.78 (s, 3H), 1.82 (s, 3H), 2.29 (s, 3H), 2.30 (s, 3H), 4.64 (d, J = 6.6Hz, 2H), 5.55 (t, J = 6.6Hz, 1H), 7.00-7.14 (m, 4H), 7.18 (s. 1H), 8.78 (s, 2H), 9.22 (s 1H); IR (KBr) 1523, 1502, 1415, 1386, 1313, 1285, 1274, 1263, 1233, 1200, 1131, 995, 858 cm ⁻¹ .
20	Ib-389	mp 163-166°C; ¹H NMR (CDCls) & 1.77 (s, 3H), 1.82 (s, 3H), 2.29 (s, 3H), 4.56 (d, J = 6.6Hz, 2H), 5.11 (tm, J = 6.6Hz, 1H), 6.98 (d, J = 8.7Hz, 2H), 7.08 (s, 1H), 7.16 (s, 1H), 7.27 (d, J = 8.7Hz, 2H), 8.35 (s, 2H); IR (KBr) 3393, 3315, 3196, 1639, 1605, 1595, 1518, 1480, 1236, 1002, 838, 802 cm ⁻¹
25	Ib-390	mp 158-160°C; ¹H NMR (CDCl3) & 1.77 (s, 3H), 1.82 (s, 3H), 2.28 (s, 3H), 2.29 (s, 3H), 4.64 (d, J = 6.6Hz, 2H), 5.17 (s, 2H), 5.56 (t, J = 6.6Hz, 1H), 6.98-7.16 (m, 5H), 8.35 (s, 2H); IR (KBr) 3334, 3187, 1655, 1598, 1522, 1486, 1296, 1269, 1230, 1125, 998 cm ⁻¹ .
30	Ib-391	mp 156-158°C; 'H NMR (CDCl ₃) & 1.75 (s, 3H), 1.77 (s, 6H), 1.82 (s, 3H), 2.28 (s, 3H), 2.30 (s, 3H), 4.05 (t, J = 6.0Hz, 2H), 4.56 (d, J = 6.6Hz, 2H), 5.11 (t, J = 5.4Hz, 1H), 5.36 (tm, J = 6.6Hz, 1H), 5.54 (t, J = 6.6Hz, 1H), 6.97 (d, J = 9.0Hz, 2H), 7.08 (s, 1H), 7.15 (s, 1H), 7.27 (d, J = 9.0Hz, 2H), 8.34 (s, 2H); IR (KBr) 3236, 1608, 1598, 1522, 1495, 1436, 1264, 1244, 1314 (s) 283 283 283 284
<i>35</i>	Ib-392	1181, 998, 833, 803 cm ⁻¹ . mp 105-106°C; ¹ H NMR (CDCl ₃) δ 1.75 (s, 3H), 1.77 (s, 6H), 1.82 (s, 3H), 2.28 (s, 3H), 2.30 (s, 3H), 4.00-4.09 (m, 2H), 4.63 (d, J = 6.6Hz, 2H), 5.14 (m, 1H), 5.37 (m, 1H), 5.55 (t, J = 6.6Hz, 1H), 6.98-7.17 (m 5H), 8.34 (s, 2H); IR (KBr) 3254, 1607, 1524, 1495, 1440, 1300, 1271, 1235, 1129, 995, cm ⁻¹ .
40	Ib-393	mp 182-184 °C; ¹H NMR (CDCl ₃) δ 1.74 (s, 3H), 1.77 (s. 3H), 2.29 (s, 6H), 4.05 (dd, J = 6.6, 5.7Hz, 2H), 5.17 (brs, 1H), 5.37 (tm, J = 6.6Hz, 1H), 6.75 (d, J = 8.7Hz, 2H), 7.07 (s, 1H), 7.14 (s, 1H), 7.15 (d, J = 8.7Hz, 2H), 8.34 (s, 2H); IR (KBr) 3443, 3327, 3245, 3110, 1631, 1602, 1525, 1493, 1440, 1301, 828, 802 cm ⁻¹
45	Ib-394	mp 160-162 °C; ¹H NMR (CDCl ₃) δ 1.74 (s, 6H), 1.77 (s. 6H), 2.29 (s, 3H), 2.30 (s, 3H), 3.74 (d, J = 6.9Hz, 2H), 4.05 (dd, J = 6.6, 6.0Hz, 2H), 5.15 (brs. 1H), 5.37 (m, 2H), 6.67 (d. J = 8.4Hz, 2H), 7.07 (s, 1H), 7.16 (s, 1H), 7.18 (d, J = 8.4Hz, 2H), 8.34 (s, 2H); IR (KBr) 3423, 3240, 3104, 1612, 1598, 1525, 1496, 1436, 1321, 1262, 1187, 1087, 824, 802 cm ⁻¹
50	Ib-395	mp 106-108 °C; ¹H NMR (CDCl ₃) δ 1.72 (s, 6H), 1.74 (s, 9H), 1.77 (s, 3H), 2.29 (s, 3H), 2.32 (s, 3H), 3.91 (d, J = 5.7Hz, 4H), 4.04 (dd. J = 6.3, 5.7Hz, 2H), 5.08 (m, 1H), 5.27 (m, 2H), 5.37 (m, 1H), 6.72 (brd, J = 8.7Hz, 2H), 7.07 (s, 1H), 7.17 (s, 1H), 7.21 (d, J = 8.7Hz, 2H), 8.34 (s, 2H); IR (KBr) 3433, 3254, 3110, 1599, 1523, 1494, 1434, 1378, 1232, 1196, 1092, 817, 801 cm ⁻¹

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Гь-396	mp 84-86 °C; ¹H NMR (CDCl ₃) δ 1.74 (s, 3H), 1.77 (s, 3H), 1.79 (s, 3H), 2.23 (s, 3H), 2.28 (s, 3H), 3.71 (d, J = 6.9Hz, 2H), 4.93 (d, J = 6.9Hz, 2H), 5.32-5.61 (m, 2H), 6.36-6.48 (m, 2H), 7.05 (t, J = 8.4Hz, 1H), 7.09(s, 1H), 7.15(s, 1H), 8.53 (s, 2H) IR (KBr): 3224, 3315, 2970, 2923, 1628, 1592, 1534, 1474, 1438, 1377, 1341, 1317, 1249, 1173, 1110, 993 cm ⁻¹
Íb-397	mp 150-152 °C; ¹H NMR (CDCl ₃) δ 1.74 (s, 3H), 1.78 (s, 3H), 1.80 (s, 3H), 1.81 (s, 3H), 1.99 (s, 6H), 2.00 (s, 6H), 3.74 (d, J = 6.9Hz, 2H), 4.95 (d, J = 7.2Hz, 2H), 5.37-5.42 (m, 1H), 5.58-5.64 (m, 1H), 6.68-6.71 (m, 2H), 6.93-6.97 (m, 2H), 8.36 (s, 2H) IR (KBr): 3360, 2973, 2928, 2857, 1610, 1587, 1519, 1436, 1406, 1379, 1310, 1245, 1181, 983 cm ⁻¹
Ib-398	mp 156-158 °C; ¹H NMR (CDCl ₃) δ 1.60 (s, 3H), 1.75 (s, 3H), 1.77 (s, 3H), 1.82 (s, 3H), 1.97 (s, 6H), 2.03 (s, 6H), 4.04-4.08 (m, 2H), 4.64 (d, J = 6.6Hz, 2H), 5.05-5.08 (m, 1H), 5.30-5.41 (m, 1H), 5.54-5.60 (m, 1H), 6.81-6.84 (m, 1H), 6.89 (dd, J = 1.8, 12.0Hz, 1H), 7.05 (t, J = 8.7Hz, 1H), 8.15 (s, 1H), IR (KBr): 3320, 2971, 2931, 2850, 1627, 1604, 1525, 1483, 1395, 1373, 1338, 1309, 1288, 1263, 1240, 1175, 1115, 1038 cm ⁻¹ .
Ib-399	mp 161-163 °C; ¹H NMR (CDCl ₃) δ 1.77 (s. 3H), 1.82 (s. 3H), 1.97 (s. 6H), 2.02 (s. 6H), 4.64 (d. J = 6.6Hz, 2H), 5.13 (br. s. 2H), 5.54-5.60 (m. 1H), 6.80-6.84 (m. 1H), 6.88 (dd, J = 1.8, 11.7Hz. 1H), 7.05 (t. J = 8.7Hz, 1H), 8.16 (s. 1H) IR (KBr): 3344, 3210, 2987, 2917, 2859, 1654, 1618, 1597, 1541, 1513, 1479, 1427, 1382, 1295, 1263, 1240, 1212, 1114, 993 cm ⁻¹ .
Ib-400	¹ H NMR (300 MHz, CDCl ₃) δ 1.75 (s, 3H), 1.77 (s, 6H), 1.82 (s, 3H), 2.05 (s, 3H), 2.12 (s, 3H), 3.34 (s, 3H), 3.39 (s, 3H), 4.06 (t, $J = 6.0$ Hz, 2H), 4.65 (d, $J = 6.9$ Hz, 2H), 5.18 (t, $J = 5.3$ Hz, 1H), 5.35-5.42 (m, 1H), 5.53-5.60 (m, 1H), 7.08-6.95 (m, 3H), 8.30 (s, 2H).
Ib-401	Oil: ¹ H NMR (CDCl ₃) δ 1.77 (s, 3H), 1.82 (s, 3H), 2.31 (s,-3H), 2.54 (s, 3H), 4.56 (d. J = 6.6Hz, 2H), 5.54 (t. J = 6.6Hz, 1H), 6.98 (d, J = 8.4Hz, 2H), 7.16 (s, 1H), 7.21 (t, J = 5.1Hz, 1H), 7.28 (d, J = 8.4Hz, 2H), 7.73 (s, 1H), 8.85 (d, J = 5.1Hz, 2H)
Ib-402	mp 93-94°C; ¹ H NMR (CDCl ₃) δ 1.77 (s, 3H), 1.82 (s, 3H), 2.31 (s. 3H), 2.54 (s, 3H), 4.64 (d, J = 6.6Hz, 2H), 5.55 (t, J = 6.6Hz, 1H), 6.98-7.25 (m, 5H), 7.73 (s, 1H), 8.85 (s. 1H), 8.86 (s 1H); IR (KBr) 1573, 1560, 1521, 1414, 1299, 1277, 1260, 1238, 1130, 997 cm ⁻¹ .
Ib-403	mp 107-108 °C; ¹H NMR (CDCl ₃) δ 1.74 (s, 3H), 1.77 (s, 3H), 1.81 (s, 3H), 1.83 (s, 3H), 2.32 (s, 3H), 2.39 (s, 3H), 3.67 (br s, 1H), 3.74 (d, $J = 6.8$ Hz, 2H), 5.10 (d, $J = 7.1$ Hz, 2H), 5.37 (br t, $J = 6.8$ Hz, 1H), 5.62 (br t, $J = 7.1$ Hz, 1H),6.67 (d, $J = 8.5$ Hz, 2H), 7.02 (d, $J = 9.0$ Hz, 1H), 7.17 (s, 1H), 7.20 (d, $J = 8.5$ Hz, 2H), 7.33 (s, 1H), 7.52 (d. $J = 9.0$ Hz, 1H)
Ib-404	mp 149-151°C; ¹H NMR (CDCl₃) δ 1.78 (s, 6H), 1.82 (s, 3H), 2.31 (s, 3H), 2.38 (s, 3H), 4.57 (d, $J = 6.6$ Hz, 2H), 5.54 (t, $J = 6.6$ Hz, 1H), 6.99 (d, $J = 9.0$ Hz, 2H), 7.20 (s, 1H), 7.27 (d, $J = 9.0$ Hz, 2H), 7.34 (s, 1H), 7.58 (d, $J = 9.0$ Hz, 1H), 7.60 (d, $J = 9.0$ Hz, 1H); IR (KBr) 1610, 1572, 1517, 1496, 1421, 1411, 1249, 1179, 1142, 1012, 1004, 857, 841 cm ⁻¹ .

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5	Ib-405	mp 94-94.5°C; ¹ H NMR (CDCl ₃) δ 1.77 (s, 3H), 1.82 (s, 3H), 2.30 (s, 3H), 2.39 (s, 3H), 4.20 (s, 3H), 4.57 (d, J = 6.6Hz, 2H), 5.54 (tm, J = 6.6Hz, 1H), 6.98 (d, J = 8.7Hz, 2H), 7.04 (d, J = 9.0Hz, 1H), 7.18 (s, 1H), 7.28 (d, J = 8.7Hz, 2H), 7.34 (s, 1H), 7.53 (d, J = 9.0Hz, 1H); IR (KBr) 1610, 1592, 1518, 1464, 1415, 1295, 1235, 1175, 1107, 1016, 867, 830 cm ⁻¹ .
10	Ib-406	mp 165-167°C; ¹H NMR (CDCl ₃) δ 1.77 (s, 3H), 1.82 (s, 3H), 2.29 (s, 3H), 2.41 (s, 3H), 3.24 (s, 6H), 4.56 (d, J = 6.6Hz, 2H), 5.54 (tm, J = 6.6Hz, 1H), 6.87 (d, J = 9.3Hz, 1H), 6.97 (d, J = 9.0Hz, 2H), 7.15 (s, 1H), 7.28 (d, J = 9.0Hz, 2H), 7.36 (s, 1H), 7.38 (d, J = 9.3Hz, 1H); IR (KBr) 1606, 1593, 1493, 1427, 1387, 1237, 1178, 1003, 847, 826 cm ⁻¹ .
15	Ib-407	mp 138-140°C; ¹H NMR (CDCl ₃) δ 1.78 (s, 3H), 1.82 (s, 3H), 2.30 (s, 3H), 2.38 (s, 3H), 4.64 (d, $J = 6.6$ Hz, 2H), 5.55 (t, $J = 6.6$ Hz, 1H), 7.00-7.13 (m, 3H), 7.19 (s, 1H), 7.34 (s, 1H), 7.56 (m, 1H) 7.62 (m, 1H); IR (KBr) 1518, 1496, 1414, 1385, 1299, 1266, 1233, 1127, 994, 851 cm ⁻¹ .
20	Ib-408	mp 91-92°C; ¹H NMR (CDCls) 8 1.77 (s, 3H), 1.82 (s, 3H), 2.29 (s, 3H), 2.39 (s, 3H), 4.20 (s, 3H), 4.64 (d, J = 6.6Hz, 2H), 5.55 (t, J = 6.6Hz, 1H), 6.90-7.14 (m, 4H), 7.16 (s, 1H), 7.34 (s, 1H), 7.53 (d, J = 9.0Hz, 1H); IR (KBr) 1593, 1519, 1496, 1469, 1417, 1294, 1274, 1263, 1231, 1126, 1010, 995, 845 cm ⁻¹ .
25	Ib-409	mp $132 \cdot 134^{\circ}$ C; ¹ H NMR (CDCl ₃) δ 1.77 (s, 3H), 1.82 (s, 3H), 2.29 (s, 3H), 2.41 (s, 3H), 3.24 (s, 6H), 4.64 (d, J = 6.6Hz, 2H), 5.55 (t, J = 6.6Hz, 1H), 6.87 (d, J = 9.6Hz, 1H), 6.97-7.15 (m, 4H), 7.36 (s, 1H), 7.37 (d, J = 9.6Hz, 1H); IR (KBr) 1597, 1547, 1519, 1495, 1422, 1404, 1297, 1272, 1233, 1197, 1133, 993, 849 cm ⁻¹ .
30	Ib-410	mp 197-200°C; ¹H NMR (CDCls) & 1.77 (s, 3H), 1.82 (s, 3H), 2.29 (s, 3H), 2.36 (s, 3H), 4.56 (d, J = 6.9Hz, 2H), 4.82 (s, 2H), 5.54 (tm, J = 6.9Hz, 1H), 6.83 (d, J = 9.0Hz, 1H), 6.97 (d, J = 9.0Hz, 2H), 7.16 (s, 1H), 7.27 (d, J = 9.0Hz, 2H), 7.31 (s, 1H), 7.39 (d, J = 9.0Hz, 1H); IR (KBr) 3486, 3370, 3308, 3164, 1649, 1625, 1606, 1516; 1495, 1461, 1234, 1216, 1173, 1011, 999, 982, 846, 835 cm ⁻¹ .
35	Ib-411	mp 183-185°C; ¹H NMR (CDCl ₃) & 1.77 (s. 3H), 1.82 (s. 3H), 2.28 (s. 3H), 2.36 (s. 3H), 4.64 (d. J = 6.6Hz, 2H), 4.89 (brs. 2H), 5.55 (tm. J = 6.6Hz, 1H), 6.85 (d. J = 9.0Hz, 1H), 6.98-7.12 (m. 3H), 7.14 (s. 1H), 7.32 (s. 1H), 7.38 (d. J = 9.0Hz, 1H); IR (KBr) 3486, 3368, 3308, 3161, 1649, 1624, 1519, 1497, 1461, 1261, 1123, 982, 844 cm ⁻¹ .
40	Ib-412	mp 138-140°C; ¹ H NMR (CDCl ₃) δ 1.76 (s, 6H), 1.77 (s, 3H), 1.82 (s, 3H), 2.29 (s, 3H), 2.39 (s, 3H), 4.03 (t, $J = 6.3$ Hz, 2H), 4.56 (d, $J = 6.9$ Hz, 2H), 4.77 (m, 1H), 5.38 (tm, $J = 6.9$ Hz, 1H), 5.54 (tm, $J = 6.9$ Hz, 1H), 6.70 (d, $J = 9.0$ Hz, 1H), 6.97 (d, $J = 9.0$ Hz, 2H), 7.15 (s, 1H), 7.28 (d, $J = 9.0$ Hz, 2H), 7.33 (s, 1H), 7.35 (d, $J = 9.0$ Hz, 1H); IR (KBr) 3213, 1605, 1530, 1492, 1234, 1180, 994, 841 cm ⁻¹
50	Гь-413	mp 113-115°C; 'H NMR (CDCl ₃) & 1.76 (s, 3H), 1.77 (s, 3H), 1.78 (s, 3H), 1.81 (s, 3H), 2.28 (s, 3H), 2.39 (s, 3H), 3.98-4.15 (m, 2H), 4.64 (d, J = 6.9Hz, 2H), 4.76 (m, 1H), 5.38 (m, 1H), 5.55 (tm, J = 6.9Hz, 1H), 6.70 (d, J = 9.3Hz, 1H), 6.98-7.15 (m, 4H), 7.33 (s, 1H), 7.35 (d, J = 9.3Hz, 1H); IR (KBr) 3424, 3214, 1601, 1534, 1492, 1416, 1296, 1261, 1232, 1126, 983, 829 cm ⁻¹ .

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Ib-414	mp 159-161 °C; ¹H NMR (CDCl₂) δ 1.76 (s, 3H), 1.78 (s, 3H), 2.29 (s, 3H), 2.38 (s, 3H), 4.03 (dd, $J = 6.6$, 5.7Hz, 2H), 4.91 (m, 1H), 5.38 (tm, $J = 6.6$ Hz, 1H), 6.71 (d, $J = 9.0$ Hz, 2H), 6.75 (d, $J = 8.7$ Hz, 2H), 7.15 (s, 1H), 7.17 (d, $J = 8.7$ Hz, 2H), 7.32 (s, 1H), 7.37 (d, $J = 9.0$ Hz, 1H); IR (KBr) 3440, 3363, 3220, 1621, 1599, 1531, 1491, 1458, 1410, 1279, 1181, 1140, 1045, 1026, 835 cm·¹
Ib-415	mp 131-133 °C; ¹H NMR (CDCl ₃) δ 1.74 (s, 3H), 1.76 (s, 3H), 1.77 (s, 6H), 2.31 (s, 3H), 2.38 (s, 3H), 3.74 (d, J = 6.9Hz, 2H), 4.03 (dd, J = 6.0, 6.0Hz, 2H), 4.87 (brs, 1H), 5.38 (m, 2H), 6.67 (d, J = 8.4Hz, 2H), 6.71 (d, J = 9.3Hz, 1H), 7.15 (s. 1H), 7.19 (d, J = 8.4Hz, 2H), 7.32 (s, 1H), 7.36 (d, J = 9.3Hz, 1H); IR (KBr) 3385, 3207, 1609, 1529, 1493, 1457, 1186, 1045, 834 cm ⁻¹
Ib-416	mp 174-175 °C; 'H NMR (CDCl ₃) & 1.72 (s, 6H), 1.74 (s, 3H), 1.75 (s, 3H), 1.76 (s, 3H), 1.78 (s, 3H), 2.33 (s, 3), 2.38 (s, 3H), 3.91 (d, J = 6.0Hz, 4H), 4.03 (dd, J = 6.0, 6.0Hz, 2H), 4.88 (m, 1H), 5.26 (m, 2H), 5.38 (m, 1H), 6.71 (d, J = 9.0Hz, 1H), 6.75 (d, J = 9.0Hz, 2H), 7.17 (s, 1H), 7.22 (d, J = 9.0Hz, 2H), 7.32 (s, 1H), 7.37 (d, J = 9.0Hz, 1H); IR (KBr) 3432, 3252, 3133, 1615, 1578, 1524, 1473, 1449, 1350, 1316, 1305, 1234, 1195, 1162, 1057, 854, 819 cm ⁻¹ .
Ib-417	mp 224·227°C; ¹ H NMR (CDCl ₃) & 1.77 (s, 3H); 1.82 (s, 3H); 1.95 (s, 6H); 1.96 (s, 6H); 4.64 (d, J = 6.6Hz, 2H); 4.91 (br s. 2H); 5.57 (m, 1H); 6.75-7.07 (m. 4H); 7.20 (dd, J = 1.8, 9.0Hz, 1H); IR (KBr): 3341, 3163, 1637, 1513, 1460. 1297, 1263. 1243. 1114. 1001 cm ⁻¹ .
Ib-418	mp 215-216°C; ⁱ H NMR (CDCl ₂) δ 1.77 (s, 6H); 1.79 (s, 3H); 1.82 (s, 3H); 1.95 (s, 6H); 1.97 (s, 6H); 4.02 (t, J = 6.3Hz, 2H); 4.64 (d, J = 7.2Hz, 2H); 4.84 (br, 1H); 5.39 (m, 1H); 5.57 (m, 1H); 6.74 (dd, J = 1.2, 9.0Hz, 1H); 6.76-6.93 (m, 2H); 7.04 (t, J = 8.4Hz, 1H); 7.15 (dd, J = 1.8, 9.0Hz, 1H); IR (KBr): 3258, 2917, 1609, 1513, 1486, 1466, 1426, 1297, 1264, 1241, 1118 cm ⁻¹ .
Ib-419	mp 178-180 °C; ¹H NMR (CDCl ₃) δ 1.74 (s, 3H), 1.78 (s, 3H), 1.82 (s, 3H), 1.85 (s, 3H), 1.95 (s, 6H), 1.98 (s, 6H), 3.4 (br s, 1H), 3.75 (d, $J = 6.9$ Hz, 2H), 5.11 (d, $J = 6.9$ Hz, 2H), 5.40 (t, $J = 6.9$ Hz, 1H), 5.63 (d, $J = 6.9$ Hz, 1H), 6.70-6.74 (m, 2H), 6.92-6.99 (m, 2H), 7.04 (d, $J = 9.2$ Hz, 1H), 7.32 (d, $J = 9.2$ Hz, 1H); IR (KBr): 3368, 2979, 2932, 2915, 1612, 1520, 1438, 1303, 1285, 966, 821, 529 cm ⁻¹ .
Ib-420	¹ H NMR (300 MHz, CDCl ₃) δ 1.77 (s, 6H), 1.79 (d, J = 1.2 Hz, 3H), 1.82 (d, J = 0.9 Hz, 3H), 2.04 (s, 3H), 2.12 (s, 3H), 3.35 (s. 3H), 3.42 (s, 3H), 4.02 (t, J = 6.2 Hz, 2H), 4.65 (d, J = 6.9 Hz, 2H), 4.81 (t, J = 5.0 Hz, 1H), 5.35-5.42 (m, 1H), 5.53-5.60 (m, 1H), 6.72 (d, J = 9.2 Hz, 1H), 6.95-7.08 (m, 3H), 7.29 (d, J = 9.2 Hz, 1H).
Ib-421	mp 88-89°C; ¹ H NMR (CDCl _s) δ 1.78 (s, 3H), 1.82 (s, 3H), 2.31 (s, 3H), 2.40 (s, 3H), 4.57 (d, J = 6.6Hz, 2H), 5.54 (t, J = 6.6Hz, 1H), 6.98 (d, J = 9.0Hz, 2H), 7.19 (s, 1H), 7.28 (d, J = 9.0Hz, 2H), 7.35 (s, 1H), 8.53 (d, J = 2.7Hz, 1H), 8.68 (dd, J = 2.7, 1.2Hz, 1H), 8.78 (d, J = 1.2Hz, 1H); IR (KBr) 1606, 1574, 1516, 1496, 1469, 1386, 1241, 1178, 1145, 1011, 1002, 982, 840, 833 cm ⁻¹ .
Ib-422	mp 87-88°C; ¹ H NMR (CDCl ₃) δ 1.77 (s, 3H), 1.82 (s, 3H), 2.31 (s, 3H), 2.40 (s. 3H), 4.64 (d. $J = 6.6$ Hz, 2H), 5.55 (t. $J = 6.6$ Hz, 1H), 6.99-7.14 (m 3H), 7.17 (s, 1H), 7.35 (s. 1H), 8.54 (m, 1H), 8.68 (m, 1H), 8.77 (m, 1H); IR (KBr) 1517, 1501, 1476, 1447, 1397, 1387, 1315, 1297, 1265, 1234, 1198, 1127, 996, 849 cm ⁻¹ .

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1		
	Ib-423	mp 74-77°C; ¹ H NMR (CDCl ₃) δ 1.77 (s, 3H), 1.82 (s, 3H), 2.29 (s, 3H), 2.37 (s, 3H), 4.56 (d, $J = 6.9$ Hz, 2H), 4.60 (s, 2H), 5.54 (tm, $J = 6.9$ Hz, 1H), 6.97 (d, $J = 8.7$ Hz, 2H), 7.14 (s, 1H), 7.27 (d, $J = 8.7$ Hz, 2H), 7.29 (s, 1H), 8.10 (s, 1H), 8.18 (s 1H); IR (KBr) 3464, 3319, 3165, 1606, 1477, 1381, 1241, 1178, 1023, 1002, 839, 832 cm ⁻¹ .
. •	Ib-424	mp 127-128°C; ¹H NMR (CDCl₃) δ 1.77 (s, 3H), 1.81 (s, 3H), 2.28 (s, 3H), 2.37 (s, 3H), 4.62 (s, 2H), 4.63 (d, $J = 6.6$ Hz, 2H), 5.55 (t, $J = 6.6$ Hz, 1H), 6.98-7.12 (m, 3H), 7.13 (s, 1H), 7.29 (s 1H). 8.09 (d, $J = 1.5$ Hz, 1H), 8.17 (d, $J = 1.5$ Hz, 1H); IR (KBr) 3426, 3306, 3189, 1641, 1580, 1536, 1517, 1498, 1482, 1393. 1292, 1281, 1265, 1231, 1121, 982 cm ⁻¹ .
	Ib-425	mp 136-138°C; ¹H NMR (CDCl ₃) & 1.77 (s, 3H), 1.82 (s, 3H), 2.28 (s, 3H), 2.38 (s, 3H), 3.74 (m, 1H), 4.56 (d, J = 6.9Hz, 2H), 5.54 (tm, J = 6.9Hz, 1H), 6.97 (d, J = 8.7Hz, 2H), 7.13 (s, 1H), 7.27 (d, J = 8.7Hz, 2H), 7.29 (s, 1H), 7.96 (d, J = 1.2Hz, 2H), 8.16 (d, J = 1.2Hz, 1H); IR (KBr) 3282, 1597, 1527, 1492, 1241, 1174, 1018, 885, 826 cm ⁻¹ .
	Ib-426	mp 119-121°C; ¹ H NMR (CDCl ₃) δ 1.77 (s, 3H), 1.81 (s, 3H), 2.28 (s, 3H), 2.38 (s, 3H), 3.74 (m, 1H), 4.57 (d, J = 8.1Hz, 1H), 4.63 (d, J = 6.6Hz, 2H). 5.55 (t, J = 6.6Hz, 1H), 6.98-7.12 (m, 3H), 7.11 (s, 1H), 7.29 (s, 1H), 7.96 (d. J = 1.5Hz, 1H), 8.15 (d, J = 1.5Hz, 1H); IR (KBr) 3424, 3275, 1598, 1528, 1495, 1280, 1265, 1173, 1018, 1007 cm ⁻¹ .
	Ib-427	mp 134-136°C; ¹ H NMR (CDCl ₃) δ 1.77 (s, 3H), 1.78 (s, 6H), 1.82 (s, 3H), 2.29 (s, 3H), 2.38 (s, 3H), 3.98 (t, $J = 5.4$ Hz, 2H), 4.56 (d, $J = 6.9$ Hz, 2H), 5.36 (tm, $J = 6.9$ Hz, 1H), 5.54 (tm, $J = 6.9$ Hz, 1H), 6.97 (d, $J = 8.7$ Hz, 2H), 7.14 (s, 1H), 7.27 (d, $J = 8.7$ Hz, 2H), 7.29 (s, 1H), 7.98 (d, $J = 1.5$ Hz, 1H), 8.19 (d, $J = 1.5$ Hz, 1H); IR (KBr) 3215, 1608, 1578, 1561, 1492, 1380, 1362, 1243, 1179, 1166, 1017, 1003, 830 cm ⁻¹ .
	Гь-428	mp 99-100°C; ¹ H NMR (CDCl ₃) δ 1.76 (s, 6H), 1.78 (s, 3H), 1.81 (s, 3H), 2.28 (s, 3H), 2.38 (s, 3H), 3.98 (dd, $J = 6.6$, 5.4Hz, 2H), 4.59 (brs, 1H), 4.63 (d, $J = 6.6$ Hz, 2H), 5.36 (t, $J = 6.6$ Hz, 1H), 5.55 (t, $J = 6.6$ Hz, 1H), 6.98-7.12 (m, 3H), 7.12 (s, 1H), 7.30 (s, 1H), 7.98 (d, $J = 1.5$ Hz, 1H), 8.18 (d, $J = 1.5$ Hz, 1H); IR (KBr) 3239, 1578, 1565, 1492, 1390, 1362, 1303, 1277, 1261, 1122, 995, 873, 827 cm ⁻¹
	Гь-429	mp 133-134 °C; ¹H NMR (CDCl ₃) & 1.74 (s, 3H), 1.76 (s, 3H), 1.77 (s, 3H), 1.78 (s, 3H), 2.31 (s, 3H), 2.38 (s, 3H), 3.73 (d, J = 6.6Hz, 2H), 3.97 (dd. J = 6.0, 6.0Hz, 2H), 4.57 (m, 1H), 5.37 (m, 2H), 6.67 (d. J = 8.4Hz, 2H), 7.14 (s, 1H), 7.19 (d, J = 8.4Hz, 2H), 7.28 (s, 1H), 7.97 (d, J = 1.5Hz, 1H), 8.19 (d, J = 1.5Hz, 1H); IR (KBr) 3413, 3222, 1612, 1580, 1561, 1523, 1493, 1457, 1379, 1362, 1319, 1186, 1165, 1094, 1056, 1017, 822 cm ⁻¹
	Ib-430	Oil ¹ H NMR (CDCl ₃) δ 1.72 (s, 6H), 1.74 (s, 6H), 1.76 (s, 3H), 1.78 (s, 3H), 2.33 (s, 3H), 2.37 (s, 3H), 3.90 (d, $J = 6.3$ Hz, 4H), 3.97 (dd, $J = 6.0$, 5.1Hz, 2H), 4.54 (m, 1H), 5.26 (m, 2H), 5.36 (m, 1H), 6.74 (d, $J = 8.7$ Hz, 2H), 7.15 (s. 1H), 7.21 (d, $J = 8.7$ Hz, 2H), 7.15 (s, 1H), 7.21 (d, $J = 8.7$ Hz, 2H), 7.28 (s, 1H), 7.98 (d, $J = 1.5$ Hz, 1H) 8.19 (d, $J = 1.5$ Hz, 1H)

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Ib-431	mp 167-168 °C; ¹H NMR (CDCls) δ 1:75 (s, 3H), 1.78 (s. 3H), 1.81 (s, 3H), 1.84 (s, 3H), 1.95 (s, 6H), 1.98 (s, 6H), 3.63 (br s, 1H), 3.74 (d, J = 6.6Hz, 2H), 4.90 (d, J = 7.1Hz, 2H), 5.39 (t, J = 6.6Hz, 1H), 5.58 (d, J = 7.1Hz, 1H), 6.67-6.71 (m, 2H), 6.87-7.00 (m, 2H), 8.07 (d, J = 1.5Hz, 1H), 8.35 (d, J = 1.5Hz, 1H); IR (KBr): 3355, 2964, 2926, 2874, 1614, 1521, 1458, 1345, 1312, 1270, 1029, 977, 820 cm ⁻¹ .
Ib-432	mp 161-162°C; ¹ H NMR (CDCl ₃) & 1.77 (s, 3H); 1.82 (s, 3H); 1.94 (s, 6H); 1.97 (s, 6H); 4.64 (d, J = 6.3Hz, 2H); 4.64 (br s, 2H); 5.57 (m, 1H); 6.74-7.07 (m, 3H); 7.98 (s, 1H); 8.15 (s, 1H); IR (KBr): 3450, 3340, 2921, 1624, 1527, 1514, 1461, 1374, 1295, 1261, 1245, 1192, 1116 cm ⁻¹ .
Ib-433	mp 130-132°C; 'H NMR (CDCl ₃) δ 1.77 (s, 6H); 1.80 (s, 3H); 1.82 (s, 3H); 1.94 (s, 6H); 1.98 (s, 6H); 3.98 (br t, $J = 5.4$ Hz, 2H); 4.56 (br, 1H); 4.64 (d, $J = 6.6$ Hz, 2H); 5.39 (m, 1H); 5.57 (m, 1H); 6.74-7.08 (m, 3H); 7.99 (s, 1H); 8.02 (s, 1H); IR (KBr): 3244, 2918, 1584, 1560, 1514, 1468, 1380, 1295, 1264, 1241, 1114 cm ⁻¹ .
Ib-434	amorphous: ¹ H NMR (CDCl ₃) & 1.77 (s, 3H), 1.80 (s, 3H), 1.96 (s, 6H), 1.98 (s, 6H), 3.5 (br s, 2H), 3.98 (m, 2H), 4.64 (m, 1H), 5.39 (m, 1H), 6.74-6.79 (m, 2H), 6.84-6.99 (m, 2H), 7.99 (d, J = 1.4 Hz, 1H), 8.04 (d, J = 1.4 Hz, 1H); IR (KBr): 3334, 1620, 1588, 1519, 1462, 1276, 1161, 1024, 824, 525 cm ⁻¹
Ib-435	mp 180-182 °C; ¹H NMR (CDCl ₃) δ 1.74 (s, 3H), 1.74 (s, 3H), 1.78 (s, 3H), 1.79 (s, 3H), 1.97 (s. 6H), 1.98 (s. 6H), 3.4 (br s, 1H), 3.74 (d, J = 6.9 Hz; 2H), 3.98 (t, J = 6.0 Hz, 2H), 4.50 (t, J = 5.1 Hz, 1H), 5.36-5.41 (m, 2H), 6.66-6.72 (m, 2H), 6.86-7.02 (m, 2H), 8.00 (d, J = 1.4 Hz, 1H), 8.02 (d, J = 1.4 Hz, 1H); IR (CHCl ₃): 3439. 1613, 1585, 1519, 1468 cm ⁻¹
Ib-436	¹ H NMR (300 MHz, CDCl ₃) δ 1.77 (s, 6H), 1.79 (d, J = 0.9 Hz, 3H), 1.81 (s, 3H), 2.04 (s, 3H), 2.08 (s, 3H), 3.34 (s, 3H), 3.41 (s, 3H), 3.99 (t, J = 5.3 Hz, 2H), 4.64 (d, J = 6.9 Hz, 2H), 4.58-4.67 (m, 1H), 5.34-5.42 (m, 1H), 5.53-5.60 (m, 1H), 6.93-7.07 (m, 3H), 8.02 (d, J = 1.5 Hz, 1H), 8.11 (d, J = 1.5 Hz, 1H).
Ib-437	foam; ¹ H NMR (CDCl ₃) δ 2.21 (s, 3H), 2.28 (s, 3H), 6.34-6.49 (m. 2H), 6.80 (d, J = 2.1Hz, 1H), 7.03-7.12 (m, 3H), 7.40 (d, J = 2.4Hz, 1H), 7.61 (m, 1H) IR (KBr): 3414, 2862, 2589, 1652, 1601, 1541, 1492, 1430, 1330, 1186, 1222, 1186, 1147, 1123, 1040, 998 cm ⁻¹
Ib-438	foam: H NMR (CDCl ₃) δ 2.12 (s, 3H), 2.78 (s, 3H), 6.61-6.81 (m, 3H), 6.99-7.06 (m, 3H), 7.41 (d, J = 2.1Hz, 1H), 7.58 (dd, J = 2.4, 8.7 Hz, 1H) IR (KBr): 3423, 2857, 2604, 1654, 1602, 1539, 1447, 1413, 1215, 1133, 1074 cm ⁻¹
Ib-439	foam; !H NMR (CDCl ₃) δ 1.73 (s, 3H), 1.79 (s, 3H), 2.14 (s, 3H), 2.28 (s, 3H), 3.71 (d, J = 6.6 Hz, 2H), 5.33-5.39 (m, 1H), 6.65-6.83 (m, 3H), 6.99-7.09 (m, 3H), 7.36 (d, J = 2.7Hz, 1H), 7.55-7.60 (m, 1H) IR (KBr): 3431, 2923, 2550, 1654, 1604, 1480, 1455, 1376, 1357, 1284, 971 cm ⁻¹
Ib-440	mp 193-195 °C; ¹ H NMR (CDCl ₃) δ 1.74 (s, 3H), 1.78 (s. 3H), 2.21 (s, 3H), 2.28 (s, 3H), 3.72 (d. J = 6.9 Hz, 2H), 5.35 (t. J = 6.9 Hz, 1H), 6.40 (dd, J = 12.3, 2.1 Hz, 1H), 6.46 (dd, J = 8.4, 2.4 Hz, 1H), 6.67 (dd, J = 9.3, 0.6 Hz, 1H), 7.04 (t. J = 8.4 Hz, 1H), 7.07 (s. 1H), 7.11 (s. 1H), 7.39 (dd, J = 2.4, 0.6 Hz, 1H), 7.56 (dd, J = 9.3, 2.4 Hz, 1H); IR (KBr): 3413, 3302, 1660, 1620, 1497, 1466, 1421, 1337, 1232, 1174, 835 cm ⁻¹

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	ne .150	
5	Ib-441	mp 247-249°C; ¹ H NMR (CDCl ₃) δ 1.78 (s, 3H); 1.82 (s, 3H); 1.96 (s, 6H); 2.04 (s, 6H); 4.64 (d, J = 6.9Hz, 2H); 5.58 (m, 1H); 6.72 (d, J = 9.3Hz, 1H); 6.80-6.92 (m, 2H); 7.05 (dt, J = 1.2, 8.4Hz, 1H); 7.22 (d, J = 1.8Hz, 1H); 7.35 (ddd, J = 1.8, 2.4, 9.3Hz, 1H); IR (KBr): 3444, 2917, 1661, 1619, 1512, 1294, 1262 cm ⁻¹ .
10	Ib-442	mp 172-176°C; ¹ H NMR (CDCl ₃) δ 1.78 (s, 3H); 1.82 (s, 3H); 1.95 (s, 6H); 2.05 (s, 6H); 4.64 (d, $J = 6.9$ Hz, 2H); 5.57 (m, 1H); 6.75-7.25 (m, 5H); 10.81 (br s, 1H); IR (KBr): 2925, 1689, 1677, 1592, 1514, 1295, 1264, 1243, 1113, 1008 cm ⁻¹ .
15	Ib-443	mp 240-242°C; ¹ H NMR (CDCl ₃) δ 1.77 (s, 3H); 1.82 (s, 3H); 1.96 (s, 6H); 2.06 (s, 6H); 4.64 (d, $J = 6.3$ Hz, 2H); 5.57 (m, 1H); 6.74-7.09 (m, 3H); 7.22 (d, $J = 1.2$ Hz, 1H); 8.42 (d, $J = 1.2$ Hz, 1H); IR (KBr): 2916, 1655, 1616, 1512, 1261 cm ⁻¹ .
20	Ib-539	¹ HMR (CDCl ₃): 5 1.59 (3H, s), 1.74 (3H, s), 1.79 (3H, s), 1.83 (3H, s), 2.20 (3H, s), 2.28 (3H, s), 4.32 (2H, d, J 7.2Hz), 4.89 (2H, d, J 6.9Hz), 5.32 (1H, bt, J 7.2Hz), 5.58 (2H, bt, J 6.9Hz), 5.81 (2H, bs), 6.83 (1H, d, J 8.4Hz), 7.14 (2H, bs), 7.03-7.30 (3H), 7.60 (1H, dd, J 8.4Hz, 2.4Hz), 8.18 (1H, d, J 2.4Hz).
	Ib-540	¹ HNMR (CDCl ₃): δ 1.58 (3H, s), 1.73 (3H, s), 1.80 (3H, s), 1.82 (3H, s), 2.20 (3H, s), 2.28 (3H, s), 2.33 (1H, bs), 4.25 (2H, bs), 4.30 (2H, d, J 6.9Hz), 4.88 (2H, d, J 6.9Hz), 5.30 (1H, bt, J 6.9Hz), 5.58 (2H, bt, J 6.9Hz), 5.90 (2H, bs), 6.83 (1H, d, J 8.4Hz), 6.95-7.30 (3H), 7.13 (2H, bs), 7.60 (1H, dd, J 8.4Hz).
25	Ib-541	2.4Hz), 8.18 (1H, d, J 2.4Hz). 1HMR (CDCl ₃): 6H 1.58 (3H, s), 1.73 (3H, s), 1.79 (3H, s), 1.82 (3H, s), 2.20(3H, s), 2.28 (3H, s), 2.71 (4H, s), 4.29 (2H, d, J 7.2Hz), 4.88 (2H, d, J 6.9Hz), 5.30 (1H, bt, J 6.9Hz), 5.57 (2H, bt, J 7.2Hz), 5.80(2H, bs,), 6.82 (1H,
30	Ic-1	d, J 8.1Hz), 6.97-7.27 (3H), 7.13 (1H, d, J 2.4Hz), 7.60 (1H, dd, J 8.1Hz, 2.4Hz), 8.18 (1H, bs). 119-120 °C, 'H-NMR (CDCl ₃) δ 1.76 (3H, s), 1.82 (3H, s), 2.17 (3H, s), 2.24 (3H, s), 4.61 (2H, d, J = 6.8), 4.63 (1H, s), 5.52 (1H, br t, J = 6.8), 5.71 (1H, s), 6.66
35	Ic-2	(1H, s), 6.76 (1H, dd, $J = 2.2$, 8.3), 6.80 (2H, d, $J = 8.3$), 6.86-6.91 (4H, m), 7.07 (1H, s) oil, 'H-NMR (CDCl ₃) & 1.75 (3H, s), 1.78 (3H, s), 2.17 (3H, s), 2.25 (3H, s), 3.87 (3H, s), 4.62 (2H, d, $J = 6.6$), 4.67 (1H, s), 5.56 (1H, br t, $J = 6.6$), 6.68 (1H, s),
	Ic-3	6.79-6.93 (7H, m), 7.09 (1H, s) oil, 'H-NMR (CDCl ₃) & 2.18 (3H, s), 2.22 (3H, s), 3.14 (3H, s), 5.16 (2H, s), 5.71 (1H, s), 6.77 (1H, dd, J = 2.0, 8.3), 6.81 (1H, s), 6.93-6.99 (4H, m), 7.10 (1H, s),
40	Ic-4	7.22 (2H. d, $J = 9.0$), 7.39-7.47 (5H. m) oil, 'H-NMR (CDCl ₃) & 2.19 (3H. s), 2.21 (3H. s), 3.11 (3H. s), 3.15 (3H. s), 5.15 (2H. s), 6.82 (1H. s), 6.95 (2H. d. $J = 9.3$), 7.10 (1H. s), 7.11 (1H. d. $J = 8.3$). 7.21 (1H. dd, $J = 2.2$, 8.3), 7.23 (2H. d. $J = 9.3$), 7.31(1H. d. $J = 2.2$), 7.37-
45	Ic-5	7.49(5H. m) oil, 'H-NMR (CDCl ₃) δ 2.19 (3H, s), 2.20 (3H, s), 3.14 (3H, s), 3.91 (3H, s), 5.20 (2H, s), 6.79 (1H, dd, $J = 2.0$, 8.1), 6.81 (1H, s), 6.86 (1H, d, $J = 2.0$), 6.93 (1H, d, $J = 8.1$), 6.95 (2H, d, $J = 9.0$), 7.11 (1H, s), 7.22 (2H, d, $J = 9.0$), 7.32-7.49
50	Ic-6	(5H. m) oil, ¹ H-NMR (CDCl ₂) δ 1.77 (3H. s), 1.82 (3H, s), 2.19 (3H. s), 2.21 (3H, s), 3.14 (3H. s), 3.22 (3H, s), 4.63 (2H, d, J = 6.8), 5.51 (1H. br t, J = 6.8), 6.82 (1H. s), 6.95 (2H. d, J = 9.0), 7.04 (1H. d, J = 8.3), 7.11 (1H, s), 7.21 (1H, dd, J = 2.2. 8.3), 7.23 (2H. d, J = 9.0), 7.29 (1H. d. J = 2.2)
	L	[0.5], 1.25 (241, U, 0 - 5.0), 1.25 (111, U, 0 - 2.2)

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716 100	
Ic-7	oil, 'H-NMR (CDCls) δ 1.76 (3H, s), 1.80 (3H, s), 2.20 (3H, s), 2.22 (3H, s),
	3.15 (3H, s), $3.89 (3H, s)$, $4.63 (2H, d, J = 6.8)$, $5.57 (1H, br t, J = 6.8)$, 6.81 -
	[6.85 (3H, m), 6.93 (1H, d, J = 8.8), 6.96 (2H, d, J = 8.8), 7.13 (1H, s), 7.22 (2H, d, J = 8.8), 7
	d, J = 8.8)
Ic-8	162-163 °C, 'H-NMR (CDCL) & 2.14 (3H, s), 2.26 (3H, s), 3.55 (2H, br s), 3.89
	(3H, s), 5.19 (2H, s), 6.64 (1H, s), 6.68 (2H, d. $J = 8.8$), 6.77 (1H, dd, $J = 2.0$,
	(8.7), (6.84) (2H, d, (3.85)), (6.85) (1H, d, (3.85)), (6.91) (1H, d, (3.85)), (3.85)), (3.85)
	s), 7.31-7.49 (5H, m)
Ic-9	111-112 °C, ¹ H-NMR (CDCl ₃) δ 1.75 (3H, s), 1.79 (3H, s), 2.16 (3H, s), 2.27
	(3H, s), 3.56 (2H, br s), 3.87 (3H, s), 4.62 (2H, d, J = 6.8), 5.56 (1H, br t, J =
	6.8), 6.65 (1H. s), 6.68 (2H, d. J = 9.0), 6.79-6.92 (5H, m), 7.08 (1H. s)
Ic-12	oil, 1H-NMR (CDCla) & 2.14 (3H, s), 2.28 (3H, s), 2.93 (6H, s). 3.89 (3H, s),
	5.19 (2H, s), 6.64 (1H, s), 6.74 (2H, d, J = 9.0), 6.78 (1H, dd, J = 2.0, 8.3), 6.85
	(1H. d. J = 2.0), 6.91 $(1H. d. J = 8.3)$, 6.93 $(2H. d. J = 9.0)$, 7.31-7.49 $(5H. m)$
Ic-14	oil. 'H-NMR (CDCl ₃) δ 1.75 (3H, s), 1.79 (3H, s), 2.16 (3H, s), 2.28 (3H, s),
	2.93 (6H, s), $3.87 (3H. s)$, $4.62 (2H, d, J = 6.8)$, $5.56 (1H, br t, J = 6.8)$, 6.65
	(1H, s), 6.75 $(2H, d, J = 9.0)$, 6.80-6.83 $(2H, m)$, 6.90 $(1H, d, J = 8.6)$, 6.93 $(2H, d, J = 8.6)$
	d, J = 9.0), 7.08(1H, s)
Ic-16	119-120 °C, 'H-NMR (CDCl ₃) & 2.13 (3H, s), 2.27 (3H, s), 3.01 (6H, s), 6.78
	(1H, d, J = 9.3), 6.80 (2H, d, $J = 8.8$), 6.89 (1H, s), 7.16 (1H, s), 7.22 (2H, d, $J = 8.8$)
	8.8), 8.04 (1H, dd, $J = 2.7$, 9.3), 8.39 (1H, d, $J = 2.7$)
Ic-17	80-82 °C, 1H-NMR (CDCl ₃) & 2.17 (3H, s), 2.30 (3H, s), 2.98 (6H, s), 3.61 (2H,
	br s), 6.50 (1H, s), 6.55 (1H, dd, $J = 2.7$, 8.6), 6.77 (2H, d, $J = 9.0$), 6.81 (1H, d.
	J = 2.7), 6.82 (1H, d, $J = 8.6$). 7.07 (1H, s), 7.20 (2H, d, $J = 9.0$).
Ic-18	141-142 °C, ¹ H-NMR (CDCl ₃) & 2.21 (3H, s), 2.22 (3H, s), 3.00 (6H, s), 3.03
	(3H, s), 6.41 $(1H, br s)$, 6.71 $(1H, s)$, 6.78 $(2H, d, J = 8.8)$, 6.82 $(1H, d, J = 8.8)$,
	7.06 (1H, dd, $J = 2.7$, 8.8), 7.11 (1H, s), 7.21 (2H, d, $J = 8.8$), 7.39 (1H, d, $J = 8.8$)
	2.7)
Ic-19	138-139 °C, ¹ H-NMR (CDCl ₃) δ 2.20 (3H, s), 2.22 (3H, s), 3.00 (6H, s), 6.72
	(1H, s), 6.78 (2H, d, J = 8.8), 6.85 (1H, d, J = 8.8), 7.12 (1H, s), 7.21 (2H, d, J
	= 8.8), 7.35 (1H. dd, $J = 2.7$, 8.8), 7.77 (1H. d. $J = 2.7$), 7.82 (1H. br s),
Ic-20	oil, ¹ H-NMR (CDCl ₃) δ 1.73 (3H, s), 1.77 (3H, s), 2.16 (3H, s), 2.31 (3H, s),
	2.98 (6H, s), 3.67 (2H, d, $J = 6.6$), 5.33 (1H, br t, $J = 6.6$), 6.48 (1H, dd, $J = 2.7$)
	8.8), 6.49 (1H, s), 6.71 (1H, d, J = 2.7), 6.77 (2H, d, J = 8.8), 6.85 (1H, d, J = 8.8), 7.07 (1H, s), 6.80 (1H, d, J = 8.8)
T- 00	8.8). 7.07 (1H. s). 7.20 (2H, d. J = 8.8)
Ic-23	126-128 °C, 'H-NMR (CDCl ₃) & 1.76 (3H, s), 1.82 (3H, s), 2.26 (3H, s), 2.35
	(3H. s), 4.58 $(1H. br s)$, 4.61 $(2H. d. J = 6.8)$, 4.96 $(2H. s)$, 5.52 $(1H. br t. J = 6.8)$, 5.72 $(1H. c.)$, 6.75 6.81 $(2H. m.)$, 6.89 6.92 $(4H. m.)$, 7.08 $(1H. s.)$, 7.27 $(1H. s.)$
	6.8), 5.72 (1H, s), 6.75-6.81 (3H, m), 6.89-6.92 (4H, m), 7.08 (1H, s), 7.27 (1H,
To 24	S) all UNIXID (CDCL) \$ 1.75 (2H a) 1.81 (3H a) 2.26 (3H a) 2.35 (3H a)
Ic-24	oil, ¹ H-NMR (CDCl ₃) & 1.76 (3H, s), 1.81 (3H, s), 2.26 (3H, s), 2.35 (3H, s), 3.21 (3H, s), 4.53 (1H, s), 4.62 (2H, d, J = 6.8), 4.96 (2H, s) 5.50 (1H, br t, J =
	3.21 (3H, s), 4.53 (1H, s), 4.62 (2H, d, $J = 6.8$), 4.56 (2H, s) 5.50 (1H, bf t, $J = 6.8$), 6.78 (2H, d, $J = 9.0$), 6.90 (2H, d, $J = 9.0$), 7. 03 (1H, d, $J = 8.5$), 7.07
	(1H. s). 7.20 (1H. dd. $J = 2.2$. 8.5), 7.28(1H. s), 7.29(1H.d. $J = 2.2$)
Ic-25	146-147 °C, ¹ H-NMR (CDCl ₃) δ 1.75 (3H, s), 1.79 (3H, s), 2.25 (3H, s), 2.26 (3H, s), 3.86 (3H, s), 4.62 (2H, d, $J = 6.8$), 4.78 (1H, s), 5.02 (2H, s), 5.56 (1H,
	(3H, 5), 3.86 (3H, 5), 4.62 (2H, d, J = 6.8), 4.78 (1H, 5), 5.02 (2H, 5), 5.06 (1H, 5), 5.02 (2H, d, J = 8.8), 6.79-6.82 (3H, m), 6.86 (2H, d, J = 8.5), 6.90 (1H, d, J = 8.8),
	·
Ta 22	7.04 (1H. s), 7.35 (2H. d. J = 8.5)
Ic-32	123-124 °C, ¹ H-NMR (CDCl ₃) δ 1.76 (3H, s), 1.81 (3H, s), 2.26 (6H, s9, 3.17 (3H, s), 3.21 (3H, s), 4.61 (2H, d, $J = 6.8$), 5.10 (2H, s), 5.50 (1H, br t, $J = 6.8$),
	6.76 (1H, s), 7.02 (1H, d, J = 8.3), 7.04 (1H, s), 7.18 (1H, dd, J = 2.2, 8.3), 7.27 (1h, d, J = 2.2), 7.33 (2H, d, J = 8.8), 7.53 (2H, d, J = 8.8)
	(1n, u. s - 2.2), 1.35 (2n, u, s - 6.6), 1.35 (2n, u, s - 6.6)

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	Ic-33	125-127 °C, 'H-NMR (CDCl ₃) δ 1.75 (3H, s), 1.79 (3H, s), 2.24 (3H, s), 2.35
5		(3H, s), 3.87 $(3H, s)$, 4.21 $(2H, s9, 4.61)$ $(2H, d, J = 6.6)$, 5.56 $(1H, brt, J = 6.6)$,
_		6.59 (2H, d. J = 8.8), 6.73 (2H, d, J = 8.8), 6.81-6.85 (2H, m), 6.92 (1H, d, J =
		8.8). 7.08 (1H. s), 7.23 (1H. s)
	Ic-35	141-142 °C, 'H-NMR (CDCls) δ 1.77 (3H, s), 1.82 (3H, s), 2.30 (3H, s), 2.40
	i	(3H, s), 4.61 (2H, d, J = 6.8), 4.79 (1H, s), 5.53 (1H, br t, J = 6.8), 5.70 (1H, s),
10		6.79 (1H, dd, $J = 2.2$, 8.3), 6.84 (2H, d, $J = 8.8$), 6.91 (1H, d, $J = 8.3$), 6.93 (1H, d, $J = 2.2$), 6.97 (1H, d, $J = 16.1$) 7.04 (1H, s), 7.18 (1H, d, $J = 16.1$), 7.43
	1	(2H. d. J = 8.8), 7.46 (1H. s).
	Ta 29	[2H. d. 3 = 8.6), 7.46 (HL 5). 140-142 °C, 'H-NMR (CDCl ₃) δ 1.77 (3H, s), 1.82 (3H, s), 2.30 (3H, s), 2.41
	Ic-38	(3H, s), 3.16 $(3H, s)$, 3.22 $(3H, s)$, 4.63 $(2H, d, J = 6.8)$, 5.51 $(1H, br, t, J = 6.8)$,
		7. 02 (1H, d, $J = 15.4$), 7.04 (1H, d, $J = 8.3$), 7.05 (1H, s), 7.22 (1H, dd, $J = 2.2$,
15		8.3), 7.29 (2H. d, $J = 8.8$), 7.30 (1H. d. $J = 2.2$), 7.31 (1H. d. $J = 15.4$), 7.48 (1H.)
	1	s), 7.57 (2H, d, J = 8.8)
	Ic-43	146-147 °C. ¹ H-NMR (CDCl ₃) & 1.75 (3H, s), 1.79 (3H, s), 2.25 (3H, s), 2.48
		(3H, s) 3.88 (3H, s), 4.62 (2H, d, J = 6.8), 5.04 (1H, s), 5.56 (1H, br t, J = 6.8),
20		6.81-6.85 (4H, m), 6.92 (1H, d, J = 8.8), 7.10 (1H, s), 7.38 (1H, s), 7.44 (2H, d,
		J = 8.6)
	Ic-44	121-122 °C, ¹H-NMR (CDCl ₃) δ 1.76 (3H, s), 1.79 (3H, s), 2.26 (3H, s), 2.49 (3H, s), 3.17 (3H, s), 3.88 (3H, s), 4.63 (2H, d, $J = 6.8$), 5.56 (1H, br t, $J = 6.8$).
		(3H, s), 3.17 (3H, s), 3.88 (3H, s), 4.63 (2H, d, 3 = 6.5), 5.65 (1H, b) (7.5 = 6.6), 6.81-6.85 (2H, m), 6.93 (1H, d, J = 8.8), 7.12 (1H, s), 7.29 (2H, d, J = 8.8), 7.40
	1	(1H. s). 7.59 (2H, d. J = 8.8)
25	Ic-47	oil, ¹ H-NMR (CDCl ₃) & 1.76 (3H, s), 1.79 (3H, s9, 2.26 (3H, s), 2.29 (3H, s).
	10.4	[3.89 (3H.s), 4.64 (2H.d.J=6.6), 5.57 (1H.brt, J=6.6), 5.82 (1H.s), 6.85-
		6.88 (2H, m), 6.90 (2H, d, J = 8.8), 6.95 (1H, d, J = 8.5), 7.14 (1H, s), 7.18 (1H,
	1	s) 781 (2H, d, J = 8.8)
30	Ic-49	oil, 'H-NMR (CDCl ₃) δ 1.75 (3H, s), 1.79 (3H, s), 2.07 (1H, d, 3.7), 2.21 (3H, s),
30		2.28 (3H, s), 3.87 (3H, s), 4.62 (2H, d, J = 6.8), 4.81 (1H, s), 5.56 (1H, br t, J =
	Ì	6.8), 5.96 (1H, d, J = 3.7), 6.81 (2H, d, J = 8.8)6.82-6.85 (2H, m), 6.92 (1H, d, J
	To 4	= 8.8), 7.02 (1H, s), 7.25 (2H, d, J = 8.8), 7.42 (1H, s) 170-170.5 °C, ¹ H-NMR (CDCl ₃) & 5.15 (2H, s), 5.75 (1H, s), 6.94 (1H, dd, J =
	Ie-4	0.7, 8.5), 6.98 (2H, m), 7.06-7.16 (5H, m), 7.37-7.44 (5H, m), 7.83 (1H, dd, J =
35		2.4, 8.5), 8.34 (1H, dd. J = 0.7, 2.4)
	Te-5	122-122.5 °C
	Ie-6	175-176 °C, 1H-NMR (CDCl ₃) & 2.38 (3H, s), 5.11 (2H, s), 5.75 (1H, s), 6.94
		[(1H, d, J = 8.3), 6.98 (2H, m), 7.05-7.17 (5H, m), 7.22 (2H, d, J = 8.1), 7.32]
40		(2H. d. J = 8.1), 7.83 (1H, dd. J = 2.4, 8.6), 8.34 (1H, d. J = 2.4)
40	le-7	144.5-145.5 °C, 'H-NMR (CDCl ₃) & 2.37 (3H, s), 3.11 (3H, s), 5.12 (2H, s), 6.96
		(1H, d, $J = 8.6$). 7.10-7.15 (5H. m), 7.21 (2H, d, $J = 8.1$), 7.33 (2H, d, $J = 8.1$).
		7.39 (1H. dd. $J = 2.2$, 8.6). 7.47 (1H, d, $J = 2.2$), 7.83 (1H. dd, $J = 2.7$, 8.6), 8.33
	T 0	(1H. d. J = 2.7) 125-127 °C, 'H-NMR (CDCl ₃) & 1.76 (3H. s), 1.81 (3H, s), 4.61 (2H. d, J = 6.8),
45	Ie-8	5.51 (1H, br t, $J = 6.8$), 5.76 (1H, s), 6.91-7.01 (3H, m), 7.06-7.16 (5H, m), 7.83
	1.	(1H. dd. $J = 2.4$, 8.6), 8.34 (1H. dd. $J = 0.7$, 2.4)
	Ie-9	[127-128 °C 1H-NMR (CDCls) δ 1.76 (3H, s), 1.81 (3H, s), 3.22 (3H, s), 4.62]
	}	$1.2H \ d J = 6.8$ 5.48 (1H. br t. $J = 6.8$), 6.96 (1H, dd. $J = 0.7$, 8.6), 7.06-7.15
	1	(5H, m), 7.40 (1H, dd, $J = 2.2$, 8.6), 7.46 (1H, d, $J = 2.2$), 7.83 (1H, dd, $J = 2.4$,
50		8.6) 8.33 (1H, dd, J = 0.7, 2.4)
	Ie-13	153-154 °C, 'H-NMR (CDCl ₂) δ 2.25 (3H, s), 3.10 (3H, s), 3.78 (3H, s), 5.16
		(2H. s). 7.13 (2H, s). 7.19-7.25 (4H, m), 7.36-7.48 (7H, m)

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	Ie-14	oil, ¹ H-NMR (CDCl ₃) & 2.23 (3H, s), 2.39 (3H, s), 3.77 (3H, s), 5.09 (2H, s),
5		5.74 (1H, s), 6.69 (1H,dd,J=1.8,8.5),6.82(1H,d,J=1.8),6.98(1H, d,J=8.5),7.18-
		7.43(9H. m)
	le-15	166-167 °C, ¹H-NMR (CDCl ₃) δ 2.25 (3H, s), 2.38 (3H, s), 3.09 (3H, s), 3.78
		(3H. s).5.11 (2H, s). 7.12 (2H. s). 7.15-7.44 (10H, m)
	Ie-17	132-133 °C, 'H-NMR (CDCl ₃) δ 2.25 (3H, s), 3.10 (3H, s), 3.79 (3H, s), 3.83
10		(3H, s). 5.16 (2H, s), 6.91 (2H, d, J= 9.1), 6.94-7.23 (5H, m), 7.36-7.48 (5H, m)
	Ie-18	oil, ¹ H-NMR (CDCl ₃) δ 2.24 (3H, s), 2.39 (3H, s), 3.78 (3H, s), 3.83 (3H, s),
	-	5.09 (2H, s), $5.71 (1H. d, J = 1.8)$, $6.68 (1H, dd, J = 1.8, 7.9)$, $6.82 (1H, d, J = 1.8)$
		1.8), 6.90 (2H, d, J = 1.8), 6.98 (1H, d, J = 7.9), 7.16 (2H, d, J = 1.8), 7.23 (2H,
	7 70	[d, J = 7.9), 7.33 (2H, d, J = 7.9)
15	Ie-19	113-114 °C, 'H-NMR (CDCl ₂) δ 2.24 (3H, s), 2.38 (3H, s), 3.09 (3H, s), 3.78
	T . 92	(3H, s).3.83 (3H, s). 5.11 (2H, s). 6.91 (2H, d, J = 8.5), 7.34 (2H, d, J = 8.5)
	Ie-23	157-158 °C
	Ie-24	114-116 °C, 'H-NMR (CDCl ₂) δ 1.76 (3H,s), 1.82 (3H, s), 2.23 (3H, s), 3.78 (3H, s), 4.60 (2H, d. $J = 6.8$), 5.52 (1H, br t, $J = 6.8$), 5.74 (1H. s), 6.67 (1H. dd.
	}	J = 2.0, 8.3, 6.79 (1H, d, $J = 2.0$), 6.91 (1H, d, $J = 8.3$), 7.07 (1H, dd, $J = 8.3$),
20		9-2.0, 0.95 , 0.75 (111,
	Ie-25	107-108 °C. 'H-NMR (CDCl ₂) δ 1.76 (3H,s), 1.81 (3H, s), 2.25 (3H, s), 3.21
	1029	(3H, s), 3.79 (3H, s), 4.62 (2H, d, $J = 6.6$), 5.50 (1H, br t, $J = 6.6$), 7.03-7.23
		(7H, m)
	Ie-27	177-178 °C, 'H-NMR (CDCl ₃) δ 2.24 (3H, s), 3.10 (3H, s), 3.92 (3H, s), 5.16
25		(2H, s), 6.99-7.49 (11H, m), 7.66 (2H, d, J=7.9)
	Ie-28	170-172 °C, ¹ H-NMR (CDCl ₃) δ 2.22 (3H, s), 2.39 (3H, s), 3.92 (3H, s), 5.09
		(2H. s), 5.71 (1H, s), 6.71 (1H, dd, $J = 1.8$, 7.9), 6.84 (1H, d, $J = 1.8$), 6.98 (1H,
		d, J = 7.9), 7.03 (2H, d, J = 7.3), 7.23 (2H, d, J = 7.9), 7.29-7.36 (3H, m), 7.67
		(2H, dd, J = 1.2, 8.5)
30	Ie-29	169-170 °C, ¹ H-NMR (CDCl ₃) δ 2.24 (3H, s), 2.38 (3H, s), 3.10 (3H, s), 3.92
		(3H, s), 5.11 (2H, s), 6.99-7.37 (10H, m), 7.66 (2H, d, J = 7.9)
	Ie-31	150-151 °C, 1H-NMR (CDCl ₃) & 2.22 (3H, s), 3.10 (3H, s), 3.81 (3H, s), 3.88
		(3H, s), 5.15 (2H, s), 6.87 (1H, s), 6.89 (2H, d J = 9.1), 7.09 (1H, d, J = 8.5),
35		7.14 (1H, dd, $J = 1.8, 8.5$), 7.24 (1H, d, $J = 1.8$), 7.36-7.53 (5H, m), 7.55 (2H, d, $J = 9.1$)
33	Ie-32	175-176 °C, 'H-NMR (CDCl ₃) ô 2.20 (3H, s), 2.39 (3H, s), 3.81 (3H, s), 3.88
	16-02	(3H, s), 5.09 $(2H, s)$, 5.68 $(1H, s)$, 6.70 $(1H, dd, J = 1.8, 7.9)$, 6.83 $(1H, d, J = 1.8, 7.9)$
		1.8), 6.85 (1H, br s), 6.88 (2H, d, J = 9.2), 6.97 (1H, d, J = 7.9), 7.23 (2H, d, J =
•		7.9), 7.34 (2H. d. J = 7.9), 7.55 (2H, d. J = 9.2)
40	Ie-33	176-177 °C, 'H-NMR (CDCl ₃) δ 2.22 (3H, s), 2.37 (3H, s), 3.09 (3H, s), 3.81
		(3H, s), 3.88 (3H, s), 5.10 (2H, s), 6.87 (1H, s), 6.89 (2H, d, J = 8.5), 7.09 (1H, s)
	j	[d, J = 8.5), 7.14(1H, dd, J = 1.8, 8.5), 7.22 (2H, d J = 8.5), 7.23 (1H, s), 7.34
		(2H, d, J = 8.5). 7.55 (2H, d, J = 8.5)
	Ie-38	188-189 °C, ¹ H-NMR (CDCl ₃) δ 2.21 (3H. s), 2.39 (3H. s), 3.89 (3H, s), 5.09
45		(2H, s), 5.68 (1H, s), 6.70 (1H, dd, $J = 1.8$, 7.9), 6.83 (1H, d, $J = 1.8$), 6.91-7.06
		(4H. m), 7.23 (2H. d, J = 8.5), 7.34 (2H. d, J = 8.5), 7.56-7.65 (2H. m)
	Ie-39	194-195 °C, 'H-NMR (CDCl ₃) δ 2.23 (3H, s), 2.38 (3H, s), 3.09 (3H, s), 3.89
		(3H, s), 5.11 (2H, s), 6.94-7.21 (5H, m), 7.22 (2H, d, J = 1.8), 7.23 (1H, s), 7.35
	T. 40	(2H, d. J = 7.9). 7.57-7.63 (2H. m)
50		159-160 °C, 'H-NMR (CDCl ₃) § 1.76 (3H. s), 1.82 (3H. s), 2.21 (3H, s), 3.89
		(3H, s), 4.60 (2H, d, $J = 6.7$), 5.52 (1H, t, $J = 6.7$), 5.71 (1H, s), 6.68 (1H, dd. $J = 6.7$), 5.71 (1H, s), 6.68 (1H, dd. $J = 6.7$)
		= 1.8, 8.5), 6.81 (1H, d, $J = 1.8$), 6.90 (1H. d, $J = 8.5$), 7.02 (2H, t, $J = 8.5$),
	L	7.57-7.65 (2H, m)

Table 139

(3H, s), 3.89 (3H, s), 4.62 (2H, d, J = 7.3), 5.50 (1H, t, J = 7.3), 6.94 (1H, s), 6.99-7.08 (3H, m), 7.13 (1H, dd, J = 2.4, 8.5), 7.22 (1H, d, J = 2.4), 7.56-7.6 (2H, m) If-10 If-10 If-11 If-12 If-14 If-14 If-14 If-14 If-14 If-152°C, ¹ H-NMR (CDCl ₃) & 2.18 (3H, s), 3.09 (3H, s), 3.75-3.81 (8H, m), 3.83 (3H, s), 5.14 (2H, s), 7.08 (1H, d, J = 8.5), 7.11 (1H, dd, J = 1.7, 8.5), 7.3 (1H, d, J = 1.7), 7.35-7.47 (5H, m) If-14 If-153 If-164 If-17 If-18 If-19		1149 149 00 UT > DOD (CDCI) \$ 1.76 (3H e) 1.81 (3H e) 2.24 (3H e) 3.21
(2H, m) If-10 If-10 If-11 If-12 °C, ¹H-NMR (CDCl ₃) & 2.18 (3H, s), 3.09 (3H, s), 3.75-3.81 (8H, m) 3.83 (3H, s), 5.14 (2H, s), 7.08 (1H, d, J = 8.5), 7.11 (1H, dd, J = 1.7, 8.5), 7.5 (1H, d, J = 1.7), 7.35-7.47 (5H, m) If-14 If-14 If-14 If-14 If-14 If-14 If-18	Ie-41	142-143 °C, ¹H-NMR (CDCl ₃) δ 1.76 (3H, s), 1.81 (3H, s), 2.24 (3H, s), 3.21 (3H, s), 3.89 (3H, s), 4.62 (2H, d, J = 7.3), 5.50 (1H, t, J = 7.3), 6.94 (1H, s), 3.89 (3H, s), 4.62 (2H, d, J = 7.3), 5.50 (1H, t, J = 7.3), 6.94 (1H, s), 6.94
3.83 (3H, s), 5.14 (2H, s), 7.08 (1H, d, J = 8.5), 7.11 (1H, dd, J = 1.7, 8.5), 7.1 (1H, d, J = 1.7), 7.35-7.47 (5H, m) If-14		(2H m)
(1H, d. J = 1.7), 7.35-7.47 (5H, m) If-14 140-141 °C, ¹H-NMR (CDCl ₃) δ 2.18 (3H, s), 2.36 (3H, s), 2.48 (4H, t, J = 5.5) 3.09 (3H, s), 3.83 (3H, s), 3.87 (4H, t, J = 5.5), 5.14 (2H, s), 7.07 (1H, d, J = 8.5) 7.11 (1H, dd, J = 1.8, 8.5), 7.21 (1H, d, J = 1.8), 7.33-7.49 (5H, m) If-18 If-18 If-18 If-18 If-19 If-18	If-10	1151-152 °C 1H-NMR (CDCl ₃) & 2.18 (3H. s), 3.09 (3H, s), 3.75-3.81 (8H. m)
3.09 (3H, s), 3.83 (3H, s), 3.87 (4H, t, J = 5.5), 5.14 (2H, s), 7.07 (1H, d, J = 8.5), 7.11 (1H, dd, J = 1.8, 8.5), 7.21 (1H, d, J = 1.8), 7.33-7.49 (5H, m) If-18 152-153 °C, 'H-NMR (CDCl ₃) & 2.20 (3H, s), 3.09 (3H, s), 3.26 (4H, t, J = 5.5), 3.86 (3H, s), 4.01 (4H, t, J = 5.5), 5.14 (2H, s), 6.90 (1H, d, J = 7.3), 7.00 (2H, J = 7.3), 7.08 (1H, d, J = 8.5), 7.12 (1H, dd, J = 1.8, 8.5), 7.21-7.49 (8H, m)		I(1H d I = 1.7) 7.35.7.47 (5H m)
17.11 (1H. dd. J = 1.8, 8.5), 7.21 (1H. d. J = 1.8), 7.33-7.49 (5H. m) 152-153 °C, 'H-NMR (CDCl ₃) & 2.20 (3H, s), 3.09 (3H, s), 3.26 (4H, t, J = 5.8) 3.86 (3H, s), 4.01 (4H, t, J = 5.5), 5.14 (2H, s), 6.90 (1H, d, J = 7.3), 7.00 (2H, L = 7.3), 7.08 (1H, d, J = 8.5), 7.12 (1H, dd, J = 1.8, 8.5), 7.21-7.49 (8H, m)	If-14	$(3.09)(3H s) = 3.83(3H s) = 3.87(4H t_s) = 5.5 = 5.5 = 5.14(2H s) = 7.07(1H t_s) = 8.5 = 5.5 =$
3.86 (3H, s), 4.01 (4H, t, $J = 5.5$), 5.14 (2H, s), 6.90 (1H, d, $J = 7.3$), 7.00 (2H, $J = 7.3$), 7.08 (1H, d, $J = 8.5$), 7.12 (1H, dd, $J = 1.8, 8.5$), 7.21-7.49 (8H, m)	70.10	17.11 (1H dd J = 1.8, 8.5), 7.21 (1H, d, J = 1.8), 7.33-7.49 (5H, m)
J = 7.3, 7.08 (1H. d, $J = 8.5$), 7.12 (1H, dd, $J = 1.8$, 0.37, 7.21-7.45 (0H, iii)	11-18	13.86 (3H/s) 4.01 (4H, t, $J = 5.5$), 5.14 (2H, s), 6.90 (1H, d, $J = 7.3$), 7.00 (2H, d
T-0.55 1105 107 0C 1H NMP (CDCIA & 9.44 (3H s) 3 12 (3H s) 4 (5H s) 5		$J = 7.3$), 7.08 (1H, d, $J = 8.5$), 7.12 (1H, dd, $J = 1.5$, 6.3), 7.21-7.45 (6H, iii) 195-197 °C, ¹ H-NMR (CDCl ₃) δ 2.44 (3H, s), 3.12 (3H, s), 4.05 (3H, s), 5.18
(2H, s), 7.14-7.21 (2H, m), 7.28 (1H, m), 7.38-7.48 (5H, m), 8.17 (1H, s), 9.	11-26	(2H, s), 7.14-7.21 (2H, m), 7.28 (1H, m), 7.38-7.48 (5H, m), 8.17 (1H, s), 9.22
mp 122 5-123 5 °C 1H NMR (CDCla) & 1.74 (s. 3H), 1.78 (s. 6H), 1.81 (s. 3H		mp 122 5-123 5 °C 1H NMR (CDCla) 6 1.74 (s. 3H), 1.78 (s. 6H), 1.81 (s. 3H),
1.236 (c. 3H) 2.57 (br. c. 3H) 3.74 (d. $J = 6.9$ Hz, 2H), 4.88 (d. $J = 6.9$ Hz, 2H		1.236 (c. 3H) 2.57 (by c. 3H) 3.74 (d. $J = 6.9$ Hz, 2H), 4.88 (d. $J = 6.9$ Hz, 2H).
If-29 5.37 (br t, $J = 6.9$ Hz, 1H), 5.56 (br t, $J = 6.9$ Hz, 1H), 5.68 (d, $J = 8.7$ Hz, 2H) 6.84 (d, $J = 0.6$ 8.7 Hz), 7.19 (d, $J = 8.7$ Hz, 2H), 7.43 (br s, 1H), 7.83 (dd)	If-29	5.37 (br t, $J = 6.9$ Hz, 1H), 5.56 (br t, $J = 6.9$ Hz, 1H), 6.68 (d, $J = 8.7$ Hz, 2H), 6.84 (dd, $J = 0.6$, 8.7, 1H), 7.19 (d, $J = 8.7$ Hz, 2H), 7.43 (br s, 1H), 7.83 (dd, $J = 8.7$ Hz, 2H), $J = 8.$
$1 = 2.4 \text{ 8.7 Hz}$ 1H) 8.38 (dd. $J = 0.6 \cdot 2.4 \text{ Hz}$, 1H)	1	$1 = 2.4 \times 7 \text{ Hz}$ 1H) $8.38 \text{ (dd. J} = 0.6 \times 2.4 \text{ Hz}$. 1H)
mn 122 5-123 5 °C. 1H NMR (CDCh) δ 1.78 (s, 3H), 1.81 (s, 3H), 2.37 (s, 3H)		Imp 122 5-123 5 °C 1H NMR (CDCh) δ 1.78 (s, 3H), 1.81 (s, 3H), 2.37 (s, 3H),
If 30 $\begin{bmatrix} 2.58 \text{ (br s, 3H)}, 4.88 \text{ (d. } J = 7.2 \text{ Hz, 2H)}, 5.56 \text{ (br t, } J = 7.2 \text{ Hz, 1H)}, 5.77 \text{ (d. } J = 8.4 \text{ Hz, 2H)}, 7.45 \text{ (br s. } J = 7.2 \text{ Hz, 1H})}, 7.45 \text{ (br s. } J = 7.2 \text{ Hz, 1H})}, 7.45 \text{ (br s. } J = 7.2 \text{ (br s. } J = 7.2 \text{ Hz, 1H})}, 7.45 \text{ (br s. } J = 7.2 (br s.$	If-30	2.58 (br s, 3H), 4.88 (d. J = 7.2 Hz, 2H), 5.56 (br t, J = 7.2 Hz, 1H), 6.77 (d, J = 8.4 Hz, 2H), 6.85 (dd, J = 0.6, 8.4, 1H), 7.16 (d, J = 8.4 Hz, 2H), 7.45 (br s,
1 1H 7.84 (dd. $J = 2.4.84 Hz$ 1H), 8.38 (dd. $J = 0.6, 2.4 Hz$, 1H)	1	1 1H) $7.84 \text{ (dd. J} = 2.4.84 \text{ Hz}$ 1H), $8.38 \text{ (dd. J} = 0.6, 2.4 \text{ Hz}$, 1H)
mp 176-177°C: 1H NMR (CDCl3) & 1.80 (s. 3H); 1.83 (s. 3H); 1.98 (s. 6H); 2.0	-	Lmp 176-177°C: 1H NMR (CP)Cl3) δ 1 80 (s. 3H): 1.83 (s. 3H): 1.98 (s. 6H): 2.00
(s, 6H); 4.51 (br s, 2H); 4.88 (d, $J = 6.9Hz$, 2H); 5.90 (m, 1H); 6.65 (m, 1H); 7.29 (ddd, $J = 2.1, 4.2, 8.4Hz$, 1H); 7.3		(s, 6H); 4.51 (br s, 2H); 4.88 (d, J = 6.9Hz, 2H); 5.90 (m, 1H); 6.63 (m, 1H); 6.85 (ddd. J = 0.9, 1.5, 8.4Hz, 1H); 7.29 (ddd, J = 2.1, 4.2, 8.4Hz, 1H); 7.39
1.16^{-1} (Add. $I = 1.9.24.84$ Hz, 1H): 7.90 (m. 1H): 7.97 (m, 1H): 1K (KBr): 346	Ig-1	1/644, $I = 1.9.24$, 8.4Hz, 1H), 7.90 (m. 1H); 7.97 (m. 1H); 1K (K.Br); 3464,
3302, 3164, 2916, 1638, 1603, 1512, 1491, 1459, 1385, 1360, 1300, 1279, 124	}	3302, 3164, 2916, 1638, 1603, 1512, 1491, 1459, 1385, 1360, 1300, 1279, 1242
cm-1	<u> </u>	l cm.1
$1/c^{2}$ 24D: 1.98 (c. 64D: 2.09 (c. 64D: 3.91 (t. $J = 5.7$ Hz. 2H): 4.51 (br. t. 1H): 4.8		mp $162 \cdot 164^{\circ}$ C; 1 H NMR (CDCls) δ 1.75 (s, 3 H); 1.78 (s, 3 H); 1.80 (s, 3 H); 1.80 (s, 3 H); 1.98 (s, 6 H); 2 CO2 (s, 6 H); 3 CH); 3 CH; 4 CH;
1/3 $1 - 7.9$ $1/3$ $1 - 7.9$ $1/3$ $1/$	1 .	1/4 I = 7.2Hz 2H): 5.38 (m. 1H): 5.59 (m. 1H): 6.50 (m. 1H): 6.60 (QQQ, J =
1.48^{-4} 1.00 1.5 $8.7Hz$ $1Hb$ 7.27 (ddd $1=2.1$ 4.2 $8.7Hz$, $1Hb$ 1.40 (QQQ, $0=4.4$, 3.5	1g-2	1 0 0 1 5 8 7Hz 1Hb 7 97 (ddd .l = 2 1 4 2 8 7Hz, 1H); 1.40 (QQQ, 0 = 4.4, 5.5,
8.4Hz, 1H); 7.92 (m, 1H); 7.98 (dt, J = 0.9, 2.4Hz, 1H); 1k (KBt): 5420, 524, 2913, 1605, 1503, 1462, 1378, 1350, 1277, 1240 cm ⁻¹ .		8.4Hz, 1H); 7.92 (m, 1H); 7.98 (dt, J=0.9, 2.4Hz, 1H); IR (KBr): 3420, 3242, 3
114 NMR (300 MHz, CDCla) & 1.80 (s. 3H) 1.83 (s. 3H), 2.07 (s. 3H), 2.09 (1 14 NMR (300 MHz, CDCla) & 1.80 (s. 3H) 1.83 (s. 3H), 2.07 (s. 3H), 2.09 (s.
+2H 3 34 (e. 3H) 3 36 (e. 3H) 4 59 (br.s. 2H), 4.89 (0, d = 7.4 Hz, 2H), 0.09		+ 2H) 3 3A (e. 3H) 3 36 (e. 3H) 4 59 (hr s. 2H), 4.89 (d. d = 1.4 Hz, 4H), 5.54-
Ig-3 $\begin{bmatrix} 5.62 \text{ (m, 1H)}, 6.62 \text{ (d, J = 8.4 Hz, 1H)}, 6.84 \text{ (dd, J = 8.4, 0.7 Hz, 1H)}, 1.45 \text{ (dd, J = 8.4, Hz, 1H)} \\ 1.562 \text{ (m, 1H)}, 2.54 \text{ (dd, J = 8.4 Hz, 1H)}, 8.04 \text{ (d, J = 2.2 Hz, 1H)}, 8.14 \text{ (dd, J = 2.2 Hz, 1H)} \\ 1.562 \text{ (dd, J = 8.4 Hz, 1H)}, 1.562 \text{ (dd, J = 8.4 Hz, 1H)}, 1.452 \text{ (dd, J = 2.2 Hz, 1H)}, 1.453 \text{ (dd, J = 8.4 Hz, 1H)}, 1.453 (dd, J $	Ig-3	5.62 (m, 1H), 6.62 (d, $J = 8.4$ Hz, 1H), 6.84 (dd, $J = 8.4$, 0.7 Hz, 1H), 7.45 (dd, $J = 8.4$, 2.2 Hz, 1H), 7.54 (dd, $J = 8.4$ Hz, 1H), 8.04 (d, $J = 2.2$ Hz, 1H), 8.10
$\frac{1}{1}$ (dd $\frac{1}{1}$ = 25 0.7 Hz 1H)	}	$\frac{1}{1}$ (dd. $\frac{1}{1}$ = 25, 0.7 Hz, 1H)
1H NMP (300 MHz, CDCl ₂) & 1.76 (s. 3H) 1.78 (d. $J = 0.9$ Hz. 3H), 1.80 (d.		$\frac{1}{100}$ $\frac{1}$
I = 0.0 Hz 3HD 1.83 (d. $I = 0.9 Hz$ 3H) 2 (V) (s. 3H), 2.10 (s. 3H), 5.34 (s. 3H)	.	= 0.9 Hz, 3H), 1.83 (d, $J = 0.9$ Hz, 3H), 2.07 (s, 3H), 2.10 (s, 3H), 3.34 (s, 3H), 3.36 (s, 3H), 3.91 (t, $J = 6.0$ Hz, 2H), 4.58 (br s, 1H), 4.88 (d, $J = 6.9$ Hz, 2H), 4.58 (br s, 1H), 4.88 (d, $J = 6.9$ Hz, 2H), 4.58 (br s, 1H), 4.88 (d, $J = 6.9$ Hz, 2H), 4.58 (br s, 1H), 4.88 (d, $J = 6.9$ Hz, 2H), 4.58 (br s, 1H), 4.88 (d, $J = 6.9$ Hz, 2H), 4.58 (d, $J =$
$\frac{1}{16}$ $\frac{1}{16}$	Ig-4	1.5.24.5.41 (m. 1H) $5.55.5.62$ (m. 1H) 6.49 (dd. $J = 8.9$, U. / HZ , 1H), 9.94 (dd.
I = 83.08 Hz 1H) $7.43 (dd. J = 8.6, 2.3 Hz$, 1H), $7.55 (dd. J = 8.3, 2.3 Hz$		$1 = 83 \cdot 0.8 \text{ Hz}$ 1H) $7.43 \cdot (dd \cdot J = 8.6, 2.3 \text{ Hz}, 1H)$, $1.55 \cdot (dd, J = 8.5, 4.5 \text{ Hz}, 1.50)$
1H), 8.05 (dd. $J = 2.3$, 0.7 Hz. 1H), 8.11 (dd. $J = 2.3$, 0.8 Hz. 1H)	ł	1 1H) 8.05 (Ad. $J = 2.3$, 0.7 Hz, 1H), 8.11 (dd. $J = 2.3$, 0.8 Hz, 1H)

Table 140

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Ig-5	mp 126-128 °C; ¹H NMR (CDCla) δ 1.75 (s, 6H), 1.78 (s, 6H), 2.07 (s, 6H), 2.55 (s, 6H), 3.90 (t, J = 6.0 Hz, 4H), 4.53 (m, 2H), 5.37 (t, J = 6.6 Hz, 2H), 6.47 (dd, J = 8.4, 0.9 Hz, 2H), 7.17 (dd, J = 8.4, 2.4 Hz, 2H), 7.82 (dd, J = 2.4, 0.9 Hz, 2H); IR (KBr): 3222, 1607, 1532, 1389, 1313, 981, 811 cm ⁻¹
Ig-6	¹ H NMR (300 MHz, CDCl ₃) δ 1.75 (s, 6H), 1.78 (d, J = 0.9 Hz, 6H), 2.10 (s, 6H), 3.36 (s, 6H), 3.91 (t, J = 0.9 Hz, 4H), 4.53 (t, J = 5.0 Hz, 2H), 5.34-5.42 (m, 2H), 6.48 (d, J = 8.5 Hz, 2H), 7.42 (dd, J = 8.5, 2.3 Hz, 2H), 8.05 (dd, J = 2.3, 0.8 Hz, 2H)
Ig-7	¹ H NMR (300 MHz, CDCl ₃) δ 1.80 (s, 3H), 1.83 (s, 3H), 2.08 (s, 3H), 2.12 (s, 3H), 3.34 (s, 3H), 3.39 (s, 3H), 4.89 (d, J = 6.9 Hz, 2H), 5.17 (br s, 2H), 5.54-5.62 (m, 1H), 6.84 (dd. J = 8.6, 0.8 Hz, 1H), 7.53 (dd, J = 8.6, 2.3 Hz, 1H), 8.09 (dd, J = 2.3, 0.8 Hz, 1H), 8.32 (s, 2H)
Ig-8	¹ H NMR (300 MHz, CDCl ₃) δ 1.76 (s, 3H), 1.78 (s, 3H), 1.80 (s, 3H), 1.83 (s, 3H), 2.08 (s, 3H), 2.13 (s, 3H), 3.34 (s, 3H), 3.40 (s, 3H), 4.05 (s. $J = 6.2$ Hz, 2H), 4.88 (d, $J = 6.9$ Hz, 2H), 5.14-5.18 (m, 1H), 5.35-5.42 (m, 1H), 5.55-5.61 (m, 1H), 6.85 (dd, $J = 8.5$, 0.7 Hz, 1H), 7.54 (dd, $J = 8.5$, 2.7 Hz, 1H), 8.10 (dd, $J = 2.7$, 0.7 Hz, 1H), 8.30 (s. 2H)
Ig-9	¹ H NMR (300 MHz, CDCl ₃) & 1.79 (s, 3H), 1.83 (d, J = 0.9 Hz, 3H), 2.07 (s, 3H), 2.08 (s, 3H), 3.34 (s, 3H), 3.40 (s, 3H), 4.67(br s, 2H), 4.89 (d, J = 7.2 Hz, 2H), 5.54-5.62 (m, 1H), 6.84 (dd, J = 8.6, 0.7 Hz, 1H), 7.53 (dd, J = 8.6, 2.5 Hz, 1H), 8.09 (dd, J = 2.5, 0.7 Hz, 1H), 8.12 (d, J = 1.5 Hz, 1H), 8.15 (d, J = 1.5 Hz, 1H)
Ig-10	¹ H NMR (300 MHz, CDCl ₃) δ 1.77 (s, 3H), 1.79 (s, 6H), 1.83 (s, 3H), 2.07 (s, 3H), 2.09 (s, 3H), 3.34 (s, 3H), 3.41 (s, 3H), 3.99 (t, J = 5.7 Hz, 2H), 4.62 (br s, 1H), 4.88 (d, J = 6.9 Hz, 2H), 5.34-5.42 (m, 1H), 5.55-5.62 (m, 1H), 6.84 (dd, J = 8.4, 0.8 Hz, 1H), 7.53 (dd, J = 8.4, 2.5 Hz, 1H), 8.02 (d, J = 1.5 Hz, 1H), 8.09 (dd, J = 2.5, 0.8 Hz, 1H)

Experiment 1 Suppressive effect on a mitogenic activity of mouse splenocytes in vitro

In 96-well microtiter plate, 5×10^5 C3H/HeN mouse splenocytes suspended in 0.1 ml of 10 % fetal bovine serum-fortified RPMI 1640 medium containing 2 mM of sodium bicarbonate, 50 units/ml of penicillin, 50 µg/ml of streptomycin and 5×10^{-5} M of 2-mercaptoethanol were added. Then, 5 µg/ml of Concanavalin A (Con A) or 10 µg/ml of lipopolysaccharide (LPS) as a mitogen and the compound of a pre-determined concentration of the present invention were added to each well so that the final volume of each well reached 0.2 ml. Each compound of the present invention was dissolved in dimethylsulfoxide (DMSO) and diluted with the above RPMI 1640 medium to adjust the final concentration of 100 ng/ml or less. The splenocytes in the 96-well microtiter plate were cultivated at 37 °C for 3 days in an incubator keeping the humidity 100 %, carbon dioxide 5 % and air 95 %. Then, 25 µl of 6 mg/ml MTT {3-(4,5-dimethylthiazol-2-yl)-2,5-diphenyltetxazolium bromide} (Sigma) was added to the each well and cultivated at 37 °C for 4 hours under the same conditions. After the cultivation, 50 µl of 20 % sodium dodecyl sulfate (SDS) containing 0.02 N hydrochloric acid was added to the generated formazan and the mixture was allowed to stand at 37 °C for 24 hours for dissolving formazan. The absorption intensity (OD) of formazan generated in proportion to the number of living cells was measured with an immunoreader (InterMed) equipped with a 570 nm filter (The Journal of Immunological Method, 65, 55-63, 1983). The 50 % inhibitory concentration of a cell proliferation (IC₅₀) was calculated from a correlation between the concentration of the compound of the present invention and the absorption intensity.

Experiment 2 Anti-proliferative activity on EL4 cells

[0122] In 96-well microtiter plate $4 \times 10^4/0.1$ ml of mouse thymoma strain EL4 cells were added and 0.1 ml of the compound of the present invention was added thereto so that the concentration was in a range of 0-5,000 ng/ml. After the cultivation for 3 days, the IC₅₀ was calculated by the MTT method as described in Experiment 1.

[0123] The results of Experiments 1 and 2 are shown in Table 141.

Table 141

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Compound No.	ConA IC ₅₀ (ng/ml)	LPS IC50 (ng/ml)	EL-4 IC50 (ng/ml)
Ia-2	¹ ≤ 10	≦10	33
Ia-42	16	31	200
Ia-43	74	154	500
Ia-45	66	373	811
Ia-66	52	39	80
Ia-94	12	21	50
Ib-3	41	145	307
Ib-13	58	179	426
Ib-16	3.1	6.7	400
Ib-17	29	60	78
Ib-20	51	196	576
Ib-23	78	283	651
Ib-37	92	361	114
Ib-40	16	55	60
Ib-44	60	317	426
Ib-54	<20	53	91
Ib-65	92	134	553
Ib-71	18	54	69
Ib-82	<20	<20	<20
Ib-101	42	261	493
Ic-1	48	158	473
Ic-14	15	53	207

[0124] As shown in the above, the compound of the present invention has immunosuppressive and anti-allergic effects.

Experiment 3 Suppressive effect on the IgE production against ovalbumin (OVA)

1) Animals

[0125] BALB/c mice (female, 8-10 weeks old) and Wistar rats (female, 8-10 weeks old) which were bought from Japan SLC, Inc. (Shizuoka) were used.

2) Immunizing method

BALB/c mice were immunized by an intraperitoneal administration of 0.2 ml suspension of 2 μg of ovalbumin (OVA) and 2 mg of aluminium hydroxide gel in physiological saline. After 10 days, blood was collected from hearts, then sera were separated and stocked at -40 °C till the measurement of IgE antibody titer.

3) Compounds

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After the compound of the present invention was dissolved or suspended in N, N-dimethylacetoamide, the mixture was diluted 20 times with miglyol 812 neutral oil. The obtained solution was orally administered to mice at 0.1 ml per mouse (dose 40 mg/kg). The administration was continued for 10 days from the immunizing day to the day before the blood collection.

4) Measurement of anti-OVA IgE antibody titer (PCA titer)

The obtained mouse serum was 2-fold diluted with physiological saline, then each 50 μ l of the solution was intradermally injected at dorsal skin of Wistar rats which previously hair cut. After 24 hours, a passive cutaneous anaphylaxis reaction (PCA) was induced by an intravenous injection of 0.5 ml of physiological saline containing 1 mg of OVA and 5 mg of Evans' blue dye. The rats were sacrified 30 minutes later and the highest dilution giving bluing with a diameter of 5 mm or more was recorded as the PCA titer. For example, when a serum is positive for the PCA reaction till 27 times dilution, the anti-OVA IgE antibody titer of the mouse is defined as 7. The results are shown in Table 142.

Table 142

	Compound	PCA Titer	Compound	PCA Titer
-	Ia-356	5.3	Ib-281	0
	Ib-37	0	Ib-283	3
<u> </u>	Ib-69	1.5	Ib-284	6.8
	Ib-90	1.7	Tb-285	2
<u> </u>	Ib-218	5.5	Ib-293	5
	Ib-219	<0	Ib-297	3
	Ib-220	<0	Ib-298	2.3
 -	Ib-221	0.3	Ib-299	0
<u> </u>	Ib-222	<0	Ib-301	3
<u> </u>	Ib-223	3.8	Ib-302	1.5
_	Ib-224	0	Ib-305	3
<u> </u>	Ib-225	0	Ib-306	5.3
-	Ib-226	0	Ib-307	5
	Ib-227	4.5	Гъ-309	4.3
	Ib-228	2.5	Ib-310	5.8
	Ib-229	3	Ib-311	6.3
	Ib-230	0	Ib-312	. 0
 	Ib-231	<0	Ib-322	4
	Ib-232	1	Ib-329	3.8
	Ib-233	2	Ib-330	0.5
	Ib-234	<0	Ib-331	<0
	Ib-235	<0	Ib-332	2.3
	Ib-239	0	Ib-333	<0
T	Ib-240	0	Ib-334	<0
	Ib-241	0	Ib-342	<0 .
Γ	Ib-242	1	Ib-343	0
Ī	Ib-243	2.3	Ib-344	0
	Ib-244	0	Ib-350	2.3
Γ	Ib-245	5.3	Ib-351	2.8
Γ	Ib-246	0	Ib-352	<0
	Ib-247	0	Ib-353	2.5
	Ib-248	0	Ib-354	<0
Γ	Ib-249	0	Ib-358	<0
Γ	Ib-250	0	Ib-361	<0
	Ib-259	0	Ib-396	<0
	Ib-272	5.3	Ib-431	6.5
Ī	Ib-279	1	Ib-433	5.5
Γ	Ib-280	0	Ib-439	5.3
}	10-280		Ig-2	6.8

[0129] As shown in the above, the compound of the present invention has a suppressive effect on the IgE produc-

Formulation Example 1

[0130]

15 mg
15 mg
15 mg
19 mg
3 mg
30 ml
3 mg

[0131] After all of the above ingredients except for calcium stearate were uniformly mixed, the mixture was crushed and granulated, and dried to obtain a suitable size of granules. After calcium stearate was added to the granules, tablets were formed by compression molding.

Industrial Applicability

[0132] As explained in the above experiments, the compound of the present invention has a potent immunosuppressive and/or anti-allergic activity. The compound of the present invention is very useful as an immunosuppressant, an anti-allergic agent and/or a suppressant of the IgE production.

Claims

5 1. A compound of the formula (I):

C V^2 B V^1 A X-Y

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wherein A ring, B ring and C ring are each independently optionally substituted aromatic carbocycle or optionally substituted 5- or 6-membered heterocycle which may fuse with benzene ring,

W¹, W² and/or W³ represents a bond when A ring, B ring and/or C ring is optionally substituted 5-membered heterocycle,

X is -O-, -CH₂-, -NR¹- wherein R¹ is hydrogen, optionally substituted lower alkyl, lower alkenyl, lower alkylcarbonyl or optionally substituted lower alkoxycarbonyl or -S(O)p-wherein p is an integer of 0 to 2,

Y is hydrogen, optionally substituted lower alkyl, optionally substituted lower alkenyl, optionally substituted lower alkynyl, optionally substituted acyl, optionally substituted cycloalkyl, optionally substituted cycloalkenyl, optionally substituted lower alkoxycarbonyl, optionally substituted sulfamoyl, optionally substituted amino, optionally substituted aryl or optionally substituted 5- or 6-membered heterocycle,

Y may be optionally substituted lower alkoxy when X is -CH₂-,

Y may be optionally substituted lower alkoxycarbonyl, optionally substituted lower alkylsulfonyl or optionally substituted arylsulfonyl when X is -O- or -NR¹-,

one of V^1 and V^2 is a bond and the other is a bond, -O-, -NH-, -OCH₂-, -CH₂O-, -CH=CH-, -C=C-, -CH(OR²)-wherein R^2 is hydrogen or lower alkyl, -CO- or -NHCHR³-wherein R^3 is hydrogen or hydroxy, and

at least one of A ring, B ring and C ring is optionally substituted aromatic carbocycle and at least another one is optionally substituted 5- or 6-membered heterocycle which may fuse with benzene ring when both of V^1 and V^2 are single bonds, salt or hydrate thereof.

- 2. The compound as claimed in claim 1 wherein A ring is optionally substituted benzene ring, salt or hydrate thereof.
 - 3. The compound as claimed in claim 1 wherein B ring is optionally substituted benzene ring, optionally substituted pyridine ring, optionally substituted pyridine ring, optionally substituted pyridine ring, optionally substituted

pyrazine ring, optionally substituted thiophene ring, optionally substituted furan ring, optionally substituted pyrazole ring or optionally substituted oxazole ring, salt or hydrate thereof.

- 4. The compound as claimed in claim 1 wherein C ring is optionally substituted benzene ring, optionally substituted pyridine ring, optionally substituted pyridizine ring, optionally substituted pyrazine ring, optionally substituted isoxazole ring, optionally substituted pyrazole ring, optionally substituted benzothiazole ring, optionally substituted morpholine ring, optionally substituted piperazine ring, optionally substituted imidazole ring or optionally substituted triazole ring, salt or hydrate thereof.
- 5. The compound as claimed in claim 1 wherein X is -O- or -NR¹- wherein R¹ is hydrogen, methyl or prenyl, salt or hydrate thereof.
 - 6. The compound as claimed in claim 1 wherein Y is hydrogen, optionally substituted lower alkyl, optionally substituted lower alkylsulfonyl or optionally substituted acyl, salt or hydrate thereof.
 - 7. The compound as claimed in claim 1 wherein one of V¹ and V² is a single bond and the other is a single bond, -O-or -NH-, salt or hydrate thereof.
- 8. The compound as claimed in claim 1 wherein A ring is optionally substituted benzene ring,
 B ring is optionally substituted benzene ring, optionally substituted pyridine ring, optionally substituted pyridine ring, optionally substituted pyridine ring, optionally substituted thiophene ring, optionally substituted furan ring, optionally substituted pyrazole ring or optionally substituted oxazole ring,
 C ring is optionally substituted benzene ring, optionally substituted pyridine ring, optionally substituted pyridine ring, optionally substituted pyridine ring, optionally substituted isoxazole ring, optionally substituted pyrazole ring, optionally substituted benzothiazole ring, optionally substituted morpholine ring, optionally substituted piperazine ring, optionally substituted imidazole ring or optionally substituted triazole ring.
 - X is -O- or -NR 1 wherein R 1 is hydrogen, methyl or prenyl, Y is optionally substituted lower alkyl or optionally substituted lower alkenyl, and one of V 1 and V 2 is a single bond and the other is a single bond, -O- or -NH-, salt or hydrate thereof.
 - 9. The compound as claimed in any one of claims 1 to 8 wherein two of A ring, B ring and C ring are optionally substituted benzene ring and the other is optionally substituted 5- or 6-membered heterocycle which may fuse with benzene ring, salt or hydrate thereof.
 - 10. A pharmaceutical composition for use as an immunosuppressant comprising the compound, salt or hydrate thereof according to any one of claims 1 to 9.
- 11. A pharmaceutical composition for use as an antiallergic agent comprising the compound, salt or hydrate thereof according to any one of claims 1 to 9.
 - 12. A pharmaceutical composition for use as a suppressant of the IgE production comprising the compound, salt or hydrate thereof according to any one of claims 1 to 9.
- 45 13. Use of the compound, salt or hydrate thereof according to any one of claims 1 to 9 for manufacturing a medicament for suppressing an immune response or treating and/or preventing allergic diseases.
 - 14. A compound of the formula (lb'):

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wherein C ring is optionally substituted 5- or 6-membered heterocycle which may fuse with benzene ring, W³ represents a bond when C ring is 5-membered heterocycle,

X and X' are each independently -O-, - CH_2 -, - NR^1 - (wherein R^1 is hydrogen, optionally substituted lower alkyl, lower alkylcarbonyl or optionally substituted lower alkoxycarbonyl) or -S(O)p- wherein p is an integer of 0 to 2.

Y and Y' are each independently optionally substituted lower alkyl, optionally substituted lower alkynyl, optionally substituted acyl, optionally substituted cycloalkyl, optionally substituted cycloalkyl, optionally substituted cycloalkenyl, optionally substituted lower alkoxycarbonyl, optionally substituted amino, optionally substituted sulfamoyl, optionally substituted aryl or optionally substituted 5- or 6-membered heterocycle,

 R^1 , taken together with Y or Y', may form -(CH₂)m-, -(CH₂)₂-Q-(CH₂)₂- (wherein Q is CH₂, O, S or NR¹), -CR'=CH-CH=CR'-, -CH=N-CH=CH-, -N=CH-N=CH-, -C(=O)-O(CH₂)n-, -C(=O)-NR'-(CH₂)n- or -C(=O)-NR'-N=CH- wherein m is 4 or 5, n is 2 or 3, R' is hydrogen, lower alkyl or lower alkenyl,

Y may be optionally substituted lower alkoxy when X is -CH₂-,

Y' may be optionally substituted lower alkoxy when X' is -CH2-,

Y may be optionally substituted lower alkoxycarbonyl, optionally substituted lower alkylsulfonyl or optionally substituted arylsulfonyl when X is -O- or -NR¹-,

Y' may be optionally substituted lower alkoxycarbonyl, optionally substituted lower alkylsulfonyl or optionally substituted arylsulfonyl when X' is -O- or -NR¹-,

Y may be hydrogen or halogen when X is -CH₂- or -NR¹-,

20 Y' may be hydrogen or halogen when X' is -CH₂- or -NR¹-,

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R⁴, R⁵, R⁶, R⁷, R⁸, R⁹, R¹⁰ and R¹¹ are each independently hydrogen, halogen, hydroxy, optionally substituted lower alkyl, optionally substituted lower alkenyl, optionally substituted lower alkenyloxy, optionally substituted lower alkenyloxy, optionally substituted lower alkenyloxy, optionally substituted lower alkenyloxycarbonyl, optionally substituted lower alkenyloxycarbonyl, optionally substituted lower alkylthio, optionally substituted lower alkylthio, optionally substituted carbamoyl, guanidino, nitro, optionally substituted lower alkylsulfonyl, optionally substituted lower alkylsulfonyl, optionally substituted lower alkylsulfonyloxy, optionally substituted arylsulfonyl or optionally substituted arylsulfonyloxy,

excluding a compound wherein all of R⁸, R⁹, R¹⁰ and R¹¹ are selected from hydrogen and halogen, salt or hydrate thereof.

15. The compound as claimed in claim 14 wherein R⁴ and R⁵ are each independently hydrogen, halogen or lower alkoxy, salt or hydrate thereof.

16. The compound as claimed in claim 14 wherein one of R⁴ and R⁵ is hydrogen and the other is halogen, salt or hydrate thereof.

- 17. The compound as claimed in any one of claims 14 to 16 wherein both of R⁶ and R⁷ are hydrogen, salt or hydrate thereof.
- 18. The compound as claimed in claim 14 wherein R⁸ and R¹¹ are each independently optionally substituted lower alkyl or optionally substituted lower alkoxy, salt or hydrate thereof.
 - 19. The compound as claimed in claim 14 wherein R⁸ and R¹¹ are each independently methyl or methoxy, salt or hydrate thereof.
 - 20. The compound as claimed in any one of claims 14, 18 and 19 wherein R⁹ and R¹⁰ are each independently hydrogen or optionally substituted lower alkyl, salt or hydrate thereof.
- 21. The compound as claimed in claim 14 wherein both of R⁸ and R¹¹ are optionally substituted lower alkyl or both of R⁸ and R¹¹ are optionally substituted lower alkoxy, and both of R⁹ and R¹⁰ are simultaneously hydrogen or both of R⁹ and R¹⁰ are optionally substituted lower alkyl, salt or hydrate thereof.
 - 22. The compound as claimed in any one of claims 14, 16 and 21 wherein C ring is 5- or 6-membered heterocycle which contains at least one N atoms, salt or hydrate thereof.
 - 23. The compound as claimed in any one of claims 14, 16 and 21 wherein C ring is 6-membered heterocycle which contains at least one N atom, salt or hydrate thereof.

- 24. The compound as claimed in any one of claims 14, 16 and 21 wherein C ring is optionally substituted pyrimidine, salt or hydrate thereof.
- 25. A compound of the formula (la'):

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$$R^{13}$$
 R^{12} R^{5} R^{4} R^{7} R^{6} R^{14} R^{14} R^{15} R^{14} R^{14} R^{15} R^{15} R^{14} R^{15} R^{15

wherein B ring is optionally substituted 5- or 6-membered ring which contains one or two hetero atoms (wherein the substituent is halogen, hydroxy, optionally substituted lower alkyl, optionally substituted lower alkoxy, optionally substituted lower alkenyloxy, optionally substituted acyloxy, carboxy, optionally substituted lower alkoxycarbonyl, optionally substituted lower alkenyloxycarbonyl, optionally substituted alkylthio, optionally substituted lower alkenyloxycarbonyl, optionally substituted lower alkylsulfonyl, optionally substituted lower alkylsulfonyloxy, optionally substituted arylsulfonyl or optionally substituted arylsulfonyl or optionally substituted arylsulfonyloxy, excluding a compound wherein B ring is substituted with only halogen(s)), and W² represents a bond when B ring is 5-membered heterocycle,

X, X', Y and Y' are the same as defined in claim 14,

 R^1 , taken together with Y or Y', may form -(CH₂)m-, -(CH₂)₂-Q-(CH₂)₂- (wherein Q is CH₂, O, S or NR'), -CR'=CH-CH=CR'-, -CH=N-CH=CH-, -N=CH-N=CH-, -C(=O)-O(CH₂)n-, -C(=O)-NR'-(CH₂)n- or -C(=O)-NR'-N=CH- wherein m is 4 or 5, n is 2 or 3, R' is hydrogen, lower alkyl or lower alkenyl.

Y may be optionally substituted lower alkoxy when X is -CH₂-,

Y' may be optionally substituted lower alkoxy when X' is -CH2-,

Y may be optionally substituted lower alkoxycarbonyl, optionally substituted lower alkylsulfonyl or optionally substituted arylsulfonyl when X is -O- or -NR¹-,

Y' may be optionally substituted lower alkoxycarbonyl, optionally substituted lower alkylsulfonyl or optionally substituted arylsulfonyl when X' is -O- or -NR¹-,

Y may be hydrogen or halogen when X is -CH₂- or -NR¹-,

Y' may be hydrogen or halogen when X' is -CH2- or -NR1-,

R⁴, R⁵, R⁶, R⁷, R¹², R¹³, R¹⁴ and R¹⁵ are each independently hydrogen, halogen, hydroxy, optionally substituted lower alkyl, optionally substituted lower alkoxy, optionally substituted lower alkenyloxy, optionally substituted lower alkoxycarbonyl, optionally substituted lower alkoxycarbonyl, optionally substituted lower alkylthio, optionally substituted lower alkenyloxycarbonyl, optionally substituted lower alkylthio, optionally substituted lower alkylthio, optionally substituted lower alkylsulfonyloxy, optionally substituted lower alkylsulfonyloxy, optionally substituted arylsulfonyl or optionally substituted arylsulfonyloxy, excluding

- (i) a compound wherein Y and Y' are simultaneously hydrogen,
- (ii) a compound wherein at least one of Y and Y' is optionally substituted acyl,
- (iii) a compound wherein at least one of -X-Y and -X'-Y' is unsubstituted lower alkoxy, and
- (iv) a compound wherein -X-Y and -X'-Y' are simultaneously optionally substituted lower alkoxy or amino substituted with phenyl,

salt or hydrate thereof.

- 26. The compound as claimed in claim 25 wherein R⁴ and R⁵ are each independently hydrogen, halogen or lower alkyl, salt or hydrate thereof.
- 27. The compound as claimed in claim 25 wherein one of R⁴ and R⁵ is hydrogen and the other is halogen, salt or hydrate thereof.
 - 28. The compound as claimed in any one of claims 25 to 27 wherein both of R⁶ and R⁷ are hydrogen, salt or hydrate thereof.

- 29. The compound as claimed in claim 25 or 27 wherein B ring is 5- or 6-membered heterocycle which contains at least one N atom, salt or hydrate thereof.
- **30.** The compound as claimed in claim 25 or 27 wherein B ring is 6-membered heterocycle which contains at least one N atom, salt or hydrate thereof.
 - **31.** The compound as claimed in claim 25 or 27 wherein B ring is optionally substituted pyridine or optionally substituted pyrimidine, salt or hydrate thereof.
- 32. The compound as claimed in claim 25 or 27 wherein R¹², R¹³, R¹⁴ and R¹⁵ are each independently hydrogen, halogen or lower alkyl, salt or hydrate thereof.
 - 33. The compound as claimed in claim 14 or 25 wherein one of X and X' is -O- and the other is -NR¹- wherein R¹ is hydrogen, optionally substituted lower alkyl, lower alkenyl, lower alkylcarbonyl or optionally substituted lower alkoxycarbonyl, salt or hydrate thereof.
 - **34.** The compound as claimed in claim 14 or 25 wherein one of X and X' is -O- and the other is -NR¹- wherein R¹ is hydrogen, lower alkyl or lower alkenyl and Y and Y' are each independently optionally substituted lower alkyl or optionally substituted lower alkenyl, salt or hydrate thereof.
 - 35. The compound as claimed in claim 33 or 34 wherein R¹ is hydrogen, salt or hydrate thereof.
 - **36.** The compound as claimed in claim 14 or 25 wherein one of -X-Y and -X'-Y' is optionally substituted lower alkylamino or optionally substituted lower alkenylamino and the other is optionally substituted lower alkoxy or optionally substituted lower alkenyloxy, salt or hydrate thereof.
 - 37. The compound as claimed in claim 14 or 25 wherein one of -X-Y and -X'-Y' is optionally substituted lower alkylamino or optionally substituted lower alkenylamino and the other is prenyloxy, salt or hydrate thereof.
- 38. The compound as claimed in claim 14 wherein R⁴, R⁵, R⁶ and R⁷ are each independently hydrogen, halogen or lower alkyl,
 - \mathbb{R}^8 and \mathbb{R}^{11} are each independently hydrogen, halogen, optionally substituted lower alkyl, optionally substituted lower alkoxy or lower alkoxycarbonyl,
 - R⁹ and R¹⁰ are each independently hydrogen, optionally substituted lower alkyl or optionally substituted lower alkoxy.
 - one of X and X' is -O- and the other is -NR¹- wherein R¹ is hydrogen, lower alkyl, lower alkenyl or lower alkylcarbonyl, Y and Y' are each independently optionally substituted lower alkyl, optionally substituted lower alkynyl,
 - and C ring is optionally substituted pyridine or optionally substituted pyrimidine, salt or hydrate thereof.
 - 39. The compound as claimed in claim 14 wherein X' is -O-, -NR¹- or -S(O)p- and C ring is optionally substituted 5-membered heterocycle which contains one or two hetero atoms, salt or hydrate thereof.
- 40. The compound as claimed in claim 25 wherein R⁴, R⁵, R⁶ and R⁷ are each independently hydrogen, halogen or lower alkyl, R¹², R¹³, R¹⁴ and R¹⁵ are each independently hydrogen, halogen or lower alkyl, B ring is optionally substituted pyridine or optionally substituted pyrimidine wherein the substituent is optionally substituted lower alkyl or optionally substituted lower alkoxy, one of X and X' is -O- and the other is -NR¹- wherein R¹ is hydrogen, lower alkyl, lower alkenyl or lower alkylcarbonyl and Y and Y' are each independently optionally substituted lower alkyl, optionally substituted lower alkenyl or optionally substituted lower alkynyl, salt or hydrate thereof.
 - 41. A compound of the formula (if'):

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wherein one of B ring and C ring is optionally substituted 5- or 6-membered heterocycle which contains one or two hetero atoms and the other is 6-membered heterocycle which contains at least one N atom, excluding a compound wherein every substituent of B ring is selected from cyano and halogen,

X, X', Y, Y' and W³ are the same as defined in claim 14, W² are the same as defined in claim 25,

R¹, taken together with Y or Y', may form -(CH₂)m-, -(CH₂)₂-Q-(CH₂)₂- (wherein Q is CH₂, O, S or NR'), -CR'=CH-CH=CR'-, -CH=N-CH=CH-, -N=CH-N=CH-, -C(=O)-O(CH₂)n-, -C(=O)-NR'-(CH₂)n- or -C(=O)-NR'-N=CH- wherein m is 4 or 5, n is 2 or 3, R' is hydrogen, lower alkyl or lower alkenyl,

Y may be optionally substituted lower alkoxy when X is -CH₂-,

Y' may be optionally substituted lower alkoxy when X' is -CH2-,

Y may be optionally substituted lower alkoxycarbonyl, optionally substituted lower alkylsulfonyl or optionally substituted arylsulfonyl when X is -O- or -NR¹-,

Y' may be optionally substituted lower alkoxycarbonyl, optionally substituted lower alkylsulfonyl or optionally substituted arylsulfonyl when X' is -O- or -NR¹-,

Y may be hydrogen or halogen when X is -CH₂- or -NR¹-,

Y' may be hydrogen or halogen when X' is -CH₂- or -NR¹-,

 ${\sf R^4},\,{\sf R^5},\,{\sf R^6}$ and ${\sf R^7}$ are the same as defined in claim 14, salt or hydrate thereof.

42. The compound of the formula (Ig'):

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wherein A ring and C ring are each independently optionally substituted 5- or 6-membered heterocycle which contains one or two hetero atoms,

W¹ represents a bond when A ring is 5-membered heterocycle,

X, X', Y, Y' and W³ are the same as defined in claim 14,

 R^1 ,taken together with Y or Y', may form -(CH₂)m-, -(CH₂)₂-Q-(CH₂)₂- (wherein Q is CH₂, O, S or NR'), -CR'=CH-CH=CR'-, -CH=N-CH=CH-, -N=CH-N=CH-, -C(=O)-O(CH₂)n-, -C(=O)-NR'-(CH₂)n- or -C(=O)-NR'-N=CH- wherein m is 4 or 5, n is 2 or 3, R' is hydrogen, lower alkyl or lower alkenyl,

Y may be optionally substituted lower alkoxy when X is -CH2-,

Y' may be optionally substituted lower alkoxy when X' is -CH2-,

Y may be optionally substituted lower alkoxycarbonyl, optionally substituted lower alkylsulfonyl or optionally substituted arylsulfonyl when X is -O- or -NR¹-,

Y' may be optionally substituted lower alkoxycarbonyl, optionally substituted lower alkylsulfonyl or optionally substituted arylsulfonyl when X' is -O- or -NR¹-,

Y may be hydrogen or halogen when X is -CH₂- or NR¹-,

Y' may be hydrogen or halogen when X' is -CH2- or NR1-,

 R^8 , R^9 , R^{10} and R^{11} are the same as defined in claim 14,

excluding a compound wherein all of R⁸, R⁹, R¹⁰ and R¹¹ are selected from hydrogen and halogen, salt or hydrate thereof.

43. A pharmaceutical composition for use as an immunosuppressant comprising a compound of the formula (lb'):

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wherein C ring and W3 are the same as defined in claim 14,

X and X' are each independently -O-, -CH₂-, -NR¹- (wherein R¹ is hydrogen, optionally substituted lower alkyl, lower alkenyl, lower alkylcarbonyl or optionally substituted lower alkoxycarbonyl), -S(O)p- (wherein p is an integer of 0 to 2) or a single bond,

Y and Y' are the same as defined in claim 14,

R¹, taken together with Y or Y', may form -(CH₂)m-, -(CH₂)₂-Q-(CH₂)₂- (wherein Q is CH₂, O, S or NR'), -CR'=CH-CH=CR'-, -CH=N-CH=CH-, -N=CH-N=CH-, -C(=O)-O(CH₂)n-, -C(=O)-NR'-(CH₂)n- or -C(=O)-NR'-N=CH- wherein m is 4 or 5, n is 2 or 3, R' is hydrogen, lower alkyl or lower alkenyl,

Y may be optionally substituted lower alkoxy when X is -CH2-,

Y' may be optionally substituted lower alkoxy when X' is -CH2-,

Y may be optionally substituted lower alkoxycarbonyl, optionally substituted lower alkylsulfonyl or optionally substituted arylsulfonyl when X is -O- or -NR¹-,

Y' may be optionally substituted lower alkoxycarbonyl, optionally substituted lower alkylsulfonyl or optionally substituted arylsulfonyl when X' is -O- or -NR¹-,

Y may be hydrogen or halogen when X is -CH₂- or -NR¹-,

Y' may be hydrogen or halogen when X' is -CH2- or -NR1-,

Y' may be hydrogen, hydroxy, halogen, nitro or oxo when X' is a single bond,

R⁴, R⁵, R⁶, R⁷, R⁸, R⁹, R¹⁰ and R¹¹ are the same as defined in claim 14,

excluding a compound wherein all of R⁸, R⁹, R¹⁰ and R¹¹ are selected from hydrogen and halogen, salt or hydrate thereof.

44. A pharmaceutical composition for use as an immunosuppressant comprising a compound of the formula (la'):

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$$Y-X \xrightarrow{R^{13}} R^{12} \xrightarrow{R^{12}} R^{5} \xrightarrow{R^{4}} X-Y$$

$$R^{15} R^{14} \qquad R^{7} R^{6}$$

$$Ia'$$

wherein B ring is optionally substituted 5- or 6-membered heterocycle which contains one or two hetero atoms excluding a compound wherein every substituent of B ring is selected from cyano and halogen,

W² represents a bond when B ring is 5-membered heterocycle,

X, X', Y and Y' are the same as defined in claim 14,

 R^1 , taken together with Y or Y', may form -(CH₂)m-, -(CH₂)₂-Q-(CH₂)₂- (wherein Q is CH₂, O, S or NR'), -CR'=CH-CH=CR'-, -CH=N-CH=CH-, -N=CH-N=CH-, -C(=O)-O(CH₂)n-, -C(=O)-NR'-(CH₂)n- or -C(=O)-NR'-N=CH- wherein m is 4 or 5, n is 2 or 3, R' is hydrogen, lower alkyl or lower alkenyl,

Y may be optionally substituted lower alkoxy when X is -CH2-,

Y' may be optionally substituted lower alkoxy when X' is -CH2-,

Y may be optionally substituted lower alkoxycarbonyl, optionally substituted lower alkylsulfonyl or optionally substituted arylsulfonyl when X is -O- or -NR¹-,

Y' may be optionally substituted lower alkoxycarbonyl, optionally substituted lower alkylsulfonyl or optionally substituted arylsulfonyl when X' is -O- or -NR¹-,

Y may be hydrogen or halogen when X is -CH₂- or -NR¹-,

Y' may be hydrogen or halogen when X' is -CH₂- or -NR¹-,

R4, R5, R6, R7 R12, R13, R14 and R15 are the same as defined in claim 25, excluding

- (i) a compound wherein -X-Y and -X'-Y' are simultaneously unsubstituted lower alkyl, optionally substituted lower alkyl, optionally substituted lower alkoxy or unsubstituted acyloxy,
- (ii) a compound wherein one of -X-Y and -X'-Y' is methyl and the other is methoxy, and
- (iii) a compound wherein -X'-Y' is hydrogen or halogen and -X-Y is unsubstituted lower alkyl, unsubstituted lower alkyl nusubstituted lower alkyl nu

salt or hydrate thereof.

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- 45. A pharmaceutical composition for use as an immunosuppressant comprising a compound of the formula (If), salt or hydrate thereof according to claim 41.
- 46. A pharmaceutical composition for use as an immunosuppressant comprising the compound of the formula (lg'), salt or hydrate thereof according to claim 42.
 - 47. A pharmaceutical composition for use as an antiallergic agent comprising the compound of the formula (If') according to claim 41, the compound of the formula (Ig') according to claim 42, the compound of the formula (Ib') according to claim 43, the compound of the formula (Ia') according to claim 44, salt or hydrate thereof.
- 48. A pharmaceutical composition for use as a suppressant of the IgE production comprising of the compound of the formula (If') according to claim 41, the compound of the formula (Ig') according to claim 42, the compound of the formula (Ib') according to claim 43, the compound of the formula (Ia') according to claim 44, salt or hydrate thereof.
- 49. Use of the compound of the formula (If') according to claim 41, the compound of the formula (Ig') according to claim 42, the compound of the formula (Ib') according to claim 43, the compound of the formula (Ia') according to claim 44, salt or hydrate thereof for manufacturing a medicament for suppressing an immune response, treating and/or preventing allergic diseases.
- 50. A method for suppressing an immune response, comprising administering the compound of the formula (If') according to claim 41, the compound of the formula (Ig') according to claim 42, the compound of the formula (Ib') according to claim 43, the compound of the formula (Ia') according to claim 44, salt or hydrate thereof.
- 51. A method for treating and/or preventing allergic diseases, comprising administering the compound of the formula (If') according to claim 41, the compound of the formula (Ig') according to claim 42, the compound of the formula (Ib') according to claim 43, the compound of the formula (Ia') according to claim 44, salt or hydrate thereof.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP99/00297

	PCT/JP99/0029/
A. CLASSIFICATION OF SUBJECT MATTER Int.C1 C07C43/215, C07C43/23, C07C43/2 C07C205/38, C07C217/58, C07C217 According to International Patent Classification (IPC) or to both national classification (IPC)	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
DELDS SEARCHED	
Minimum documentation searched (classification system followed by classi Int.C1 ⁶ C07C43/215, C07C43/23, C07C43/ C07C205/38, C07C217/58, C07C21	7/80, C07C217/86, C07C217/90,
Documentation searched other than minimum documentation to the extent to	•
Electronic data base consulted during the international search (name of dat CAPLUS (STN), REGISTRY (STN)	ta base and, where practicable, search terms used)
C. DOCUMENTS CONSIDERED TO BE RELEVANT	
Category Citation of document, with indication, where appropriate	te, of the relevant passages Relevant to claim No.
X JP, 63-45243, A (Riker Laborator A 26 February, 1988 (26. 02. 88) & JP, 7-53485, A & US, 5347036, & US, 5416113, A & US, 5495043, & US, 5498745, A & US, 5527824	, A , A
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X Further documents are listed in the continuation of Box C.	See patent family annex.
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date ocument which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed	considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art document member of the same patent family
27 April, 1999 (27. 04. 99)	te of mailing of the international search report 18 May, 1999 (18.05.99)
Name and mailing address in the ISA Japanese Patent Office	thorized officer
Facsimile No.	lephone No.

Form PCT/ISA/210 (second sheet) (July 1992)

INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP99/00297

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	JP, 63-22044, A (Nichiiko Pharmaceutical Co., Ltd.), 29 January, 1988 (29. 01. 88) (Family: none)	1-9, 25-37, 40 10-24, 38-39, 41-49
X A	JP, 5-507732, A (Schering AG.), 4 November, 1993 (04. 11. 93) 5 WO, 92/18500, A1 & EP, 533878, A1 6 US, 5256682, A	1-9, 41 10-40, 42-49
X A	JP, 1-279872, A (Schering AG.), 10 November, 1989 (10. 11. 89) & EP, 323799, A1 & US, 5179111, A	1-9, 41 10-40, 42-49
X A	JP, 9-506101, A (Smithkline Beecham PLC), 17 June, 1997 (17. 06. 97) & WO, 95/15954, A1 & EP, 733048, A1 & US, 5801170, A	1-9, 14-24, 33-39 10-13, 25-32, 40-49
X A	JP, 58-121225, A (B.B.C. AG. Brown, Boveri & Cie.), 19 July, 1983 (19. 07. 83) & US, 5047170, A & US, 4808333, A & US, 5179101, A & US, 5338483, A & US, 5310501, A	1-9, 14-24, 33-39 10-13, 25-32, 40-49
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X A	ES, 2015648, A (Consejo Superior de Investigaciones Cientificas), 1 September, 1990 (01. 09. 90) (Family: none)	1-9, 42 10-41, 43-49

Form PCT/ISA/210 (continuation of second sheet) (July 1992)

INTERNATIONAL SEARCH REPORT

International application No. PCT/JP99/00297

hable (Continuation of item 1 of first sheet)
Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
Box I Observations where certain claims were round at the control of the following reasons: This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
 Claims Nos.: 50, 51 because they relate to subject matter not required to be searched by this Authority, namely: The subject matters of claims 5 to 8 relate to a method of treatment of a human body by therapy which does not require an examination by the International Examining Authority in accordance with PCT Article 17(2)(a)(i) and Rule 39.1(iv). Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
 As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.: Remark on Protest

Form PCT/ISA/210 (continuation of first sheet (1)) (July 1992)

INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP99/00297

A. (Continuation) CLASSIFICATION OF SUBJECT MATTER

C07C233/25, C07C309/66, C07C311/08, C07D213/30, C07D213/32, C07D213/38, C07D213/61, C07D213/64, C07D213/74, C07D231/14, C07D231/20, C07D231/38, C07D237/14, C07D239/26, C07D239/34, C07D239/42, C07D241/18, C07D261/08, C07D261/12, C07D261/14, C07D263/32, C07D277/66, C07D307/42, C07D307/52, C07D317/72, C07D333/16, C07D333/20, C07D401/04, C07D401/12, C07D403/04, C07D403/12, C07D405/04, C07D405/12, C07D409/04, C07D409/12, C07D413/04, C07D413/12, C07D417/04, C07D417/12, A61K31/335, A61K31/34, A61K31/38, A61K31/42, A61K31/425, A61K31/44, A61K31/495, A61K31/50, A61K31/505

B. (Continuation) FIELDS SEARCHED

C07C233/25, C07C309/66, C07C311/08, C07D213/30, C07D213/32, C07D213/38, C07D213/61, C07D213/64, C07D213/74, C07D231/14, C07D231/20, C07D231/38, C07D237/14, C07D239/26, C07D239/34, C07D239/42, C07D241/18, C07D261/08, C07D261/12, C07D261/14, C07D263/32, C07D277/66, C07D307/42, C07D307/52, C07D317/72, C07D333/16, C07D333/20, C07D401/04, C07D401/12, C07D403/04, C07D403/12, C07D405/04, C07D405/12, C07D409/04, C07D409/12, C07D413/04, C07D413/12, C07D417/04, C07D417/12, A61K31/335, A61K31/34, A61K31/38, A61K31/42, A61K31/425, A61K31/44, A61K31/495, A61K31/50, A61K31/505

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